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ABSTRACT

This document is part 2 of the workbook for grade 5 pupils in the Comprehensive Instructional Management System, a unified mathematics curriculum for kindergarten through grade 7. Each objective is developed by a variety of strategies, with mastery of objectives diagnosed through a testing component. The activities in the student workbook are designed to provide practice in mastering the performance objectives, following the sequence in the teacher's manual. One hundred fifteen performance objectives are included in this part of the grade 5 workbook, designed to develop statistical ideas, computational skills with whole numbers, fractions, and decimals, number concepts, and measurement skills. (MNS)

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CIMS

COMPREHENSIVE INSTRUCTIONAL MANAGEMENT SYSTEM

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A Cyclical Mathematics Curriculum

Workbook Part 2

NEW YORK CITY BOARD OF EDUCATION
OFFICE OF CURRICULUM DEVELOPMENT AND SUPPORT
DIVISION OF CURRICULUM & INSTRUCTION

SE 045 524

03-2005-24

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FOREWORD

The Comprehensive Instructional Management System (CIMS) is a unified mathematics curriculum for grades K-7. The curriculum is cyclical in design, and reflects the most recent New York City and New York State guidelines.

Utilizing the experience of our system's teachers, we have developed a teacher-designed curriculum that includes a rich selection of classroom-tested successful mathematics activities. The major goal of the CIMS mathematics project is to provide the classroom teacher with a well-structured, objective-based curriculum. All objectives are supported by a variety of strategies. Student mastery of these objectives is readily diagnosed through the system's testing component.

The curriculum format is structured to allow the teacher to determine the ability level of the students in the topic under study, and to permit the students to move forward at their individual rates. Each module of instruction provides the teacher with a set of related performance objectives. These objectives are supported by activities which probe and develop the students' readiness to undertake new skills and concepts. Further reinforcement is given to mastery of the objectives through accompanying student workbooks.

It is hoped that this curriculum will not only assist teachers in developing vital mathematics instruction, but will serve to expand and enrich students' mathematics skills.

Charlotte Frank

Charlotte Frank,
Executive Director
Division of Curriculum and Instruction

ACKNOWLEDGMENTS

The Comprehensive Instructional Management System (CIMS) was developed as a project of the Division of Curriculum and Instruction, Charlotte Frank, Executive Director. Dr. Peter Negroni, Community School Superintendent CSD 12; Dr. Harvey Garner, Community School Superintendent CSD 18; Carlos Edwards, Community School Superintendent CSD 23, and Joseph Pacheco, Community School Superintendent CSD 32 supervised the overall development of the CIMS program within their respective districts.

Morris Freedman, Director of the Office of Curriculum Development and Support; Irwin Kaufman, Director of Mathematics; Kenneth Bates, Director of CIMS; Maria DeSalvio, Assistant Director of Mathematics; Arthur Flug and Doreen Genkin, Assistant Directors of CIMS and Gene Menchini, Program Manager, Distributive Systems, Office of Data Processing Coordination provided overall supervision of this project.

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Allan Dobrin, Office of Chief Administrator; Bebe Bernstein, Administrator, Curriculum Development Unit of the Office of Program Development and Geraldine Silver and Susan Wieder, Special Education Coordinators provided guidance and support in addressing these special needs.

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To The Teacher:

The activities in the CIMS student workbook are designed to provide the pupils with practice in mastering the curriculum's performance objectives and follows the sequence of the CIMS teacher's manual. Each workbook activity page lists the corresponding performance objective number in the upper left hand corner. The activity page numbers are identical to those found in the CIMS teacher's manual.

To The Student:

This mathematics workbook will help you to practice many of the new ideas your teachers have presented. Each worksheet has examples of the material you have studied in your daily mathematics lesson. As you proceed through this workbook, you will notice that you have learned many skills and will be ready to move on to more difficult ones.

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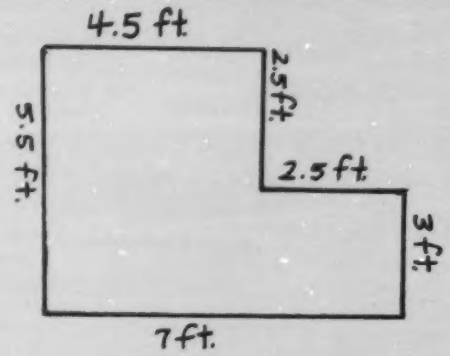
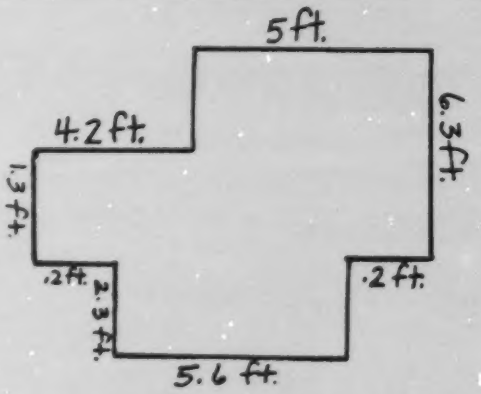
P.O. 5.13.02.01

NAME:_____ CLASS:_____ DATE:_____

Solve both problems using the diagrams.



Tom is going to help his father put up a fence around their backyard. How much fencing do they need?



Find the perimeter of this polygon.

P.O. 5.13.02.02

NAME:_____ CLASS:_____ DATE:_____

Solve each problem.

1. Jim will leave for Alaska on May 15. He will arrive there on June 23. How many days will his trip take?

2. Janis lives 4 dozen blocks away from her school. She has just walked 4 blocks. How many blocks does she have left?

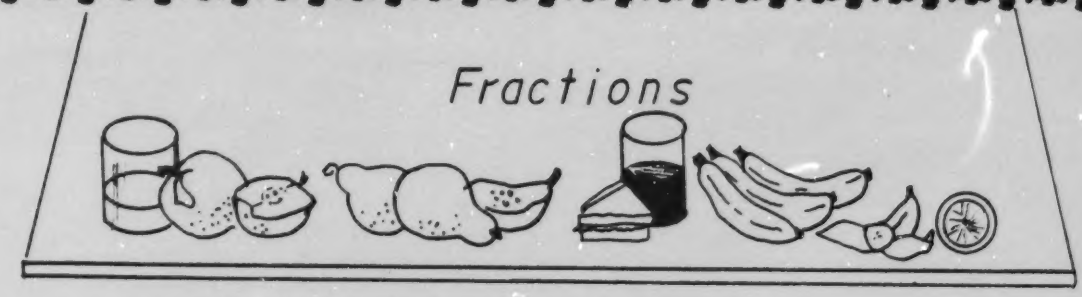
3. Bill left his house at 3:00 p.m. He rode his bike for 312 minutes. What time was it when he returned home?

4. Mary took a train from New York to Florida, she traveled for 3 days. How many hours was Mary on the train?

P.O. 5.06.03.01

NAME:_____ CLASS:_____ DATE:_____

Multiply the fractions.



$\frac{1}{2} \times \frac{3}{5} =$

$\frac{2}{3} \times \frac{4}{5} =$

$\frac{1}{9} \times \frac{5}{6} =$

$\frac{5}{8} \times \frac{1}{6} =$

$\frac{4}{5} \times \frac{2}{7} =$

$\frac{3}{7} \times \frac{3}{10} =$

$\frac{1}{10} \times \frac{7}{10} =$

$\frac{3}{8} \times \frac{5}{7} =$

$\frac{6}{7} \times \frac{4}{5} =$

$\frac{3}{10} \times \frac{9}{10} =$

$\frac{4}{5} \times \frac{4}{7} =$

$\frac{1}{8} \times \frac{3}{4} =$

P.O. 5.06.03.02

NAME:_____CLASS:_____DATE:_____

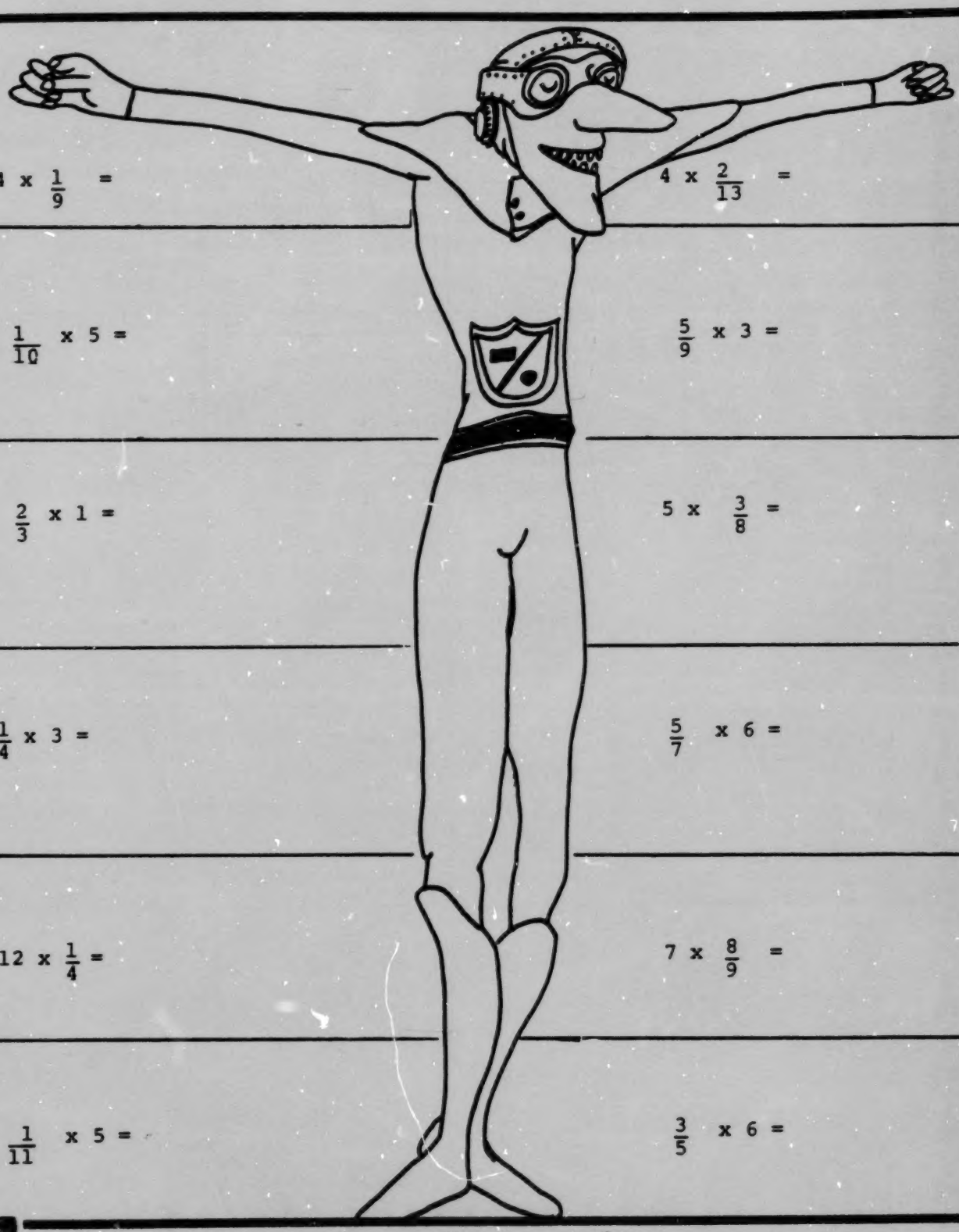
Express each fraction as a whole number.
Rename each whole number as a fraction with a denomination of 1.

$\frac{16}{1} = \bigcirc$	$\frac{19}{1} = \bigcirc$	$\frac{100}{1} = \bigcirc$	$\frac{145}{1} = \bigcirc$
$\frac{26}{1} = \bigcirc$	$\frac{49}{1} = \bigcirc$	$\frac{38}{1} = \bigcirc$	$\frac{70}{1} = \bigcirc$
$18 = \frac{18}{1}$	$27 =$	$56 =$	$11 =$
$48 =$	$62 =$	$89 =$	$115 =$

P.O. 5.06.03.03

NAME:_____ CLASS:_____ DATE:_____

Multiply to find the correct answer.



$4 \times \frac{1}{9} =$

$4 \times \frac{2}{13} =$

$\frac{1}{10} \times 5 =$

$\frac{5}{9} \times 3 =$

$\frac{2}{3} \times 1 =$

$5 \times \frac{3}{8} =$

$\frac{1}{4} \times 3 =$

$\frac{5}{7} \times 6 =$

$12 \times \frac{1}{4} =$

$7 \times \frac{8}{9} =$

$\frac{1}{11} \times 5 =$

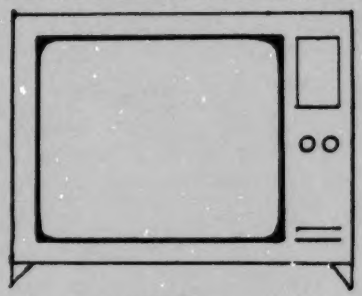
$\frac{3}{5} \times 6 =$

P.O. 5.06.03.04

NAME:_____ CLASS:_____ DATE:_____

Solve each problem. Write the answers in simplest form. Do your work in picture.

In a $\frac{1}{2}$ hour television show commericals take up $\frac{1}{6}$ of the time. What part of an hour do the commericals take up?



$\frac{1}{2}$ of a pizza is left over. If I eat $\frac{1}{4}$ of it, what part of the whole pizza have I eaten?

A recipe calls for $\frac{3}{4}$ cup of nuts. If Marilyn wants to make $\frac{1}{2}$ of the receipe what part of a cup of nuts should she use?

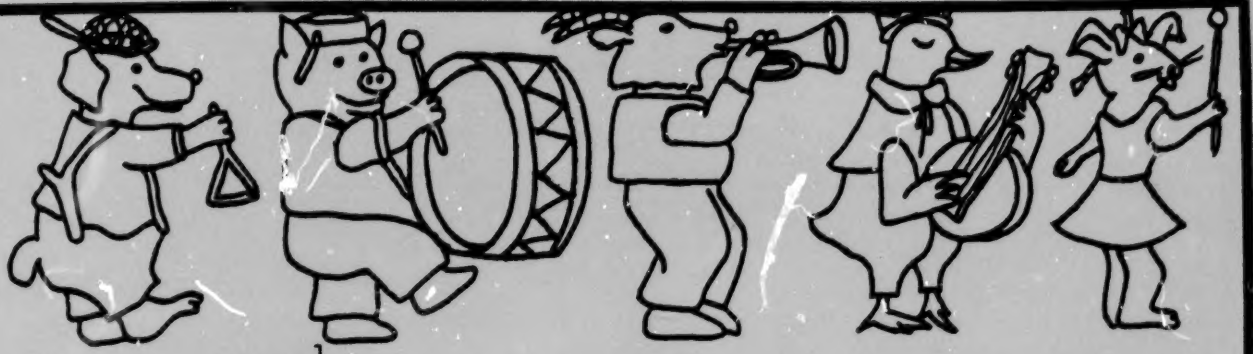
If a painter can paint a room in $\frac{1}{2}$ hour, how long will it take him to paint 6 rooms?

If a car burns $\frac{3}{5}$ gallon of fuel an hour, how much fuel will it burn in 5 hours?

P.O. 5.06.04.01

NAME: _____ CLASS: _____ DATE: _____

Multiply a whole number by a mixed number using horizontal format.



(A) $3 \times 2\frac{1}{4} =$

(B) $1 \times 6\frac{2}{3} =$

(C) $4\frac{1}{2} \times 3 =$

(D) $2\frac{2}{5} \times 2 =$

(E) $1\frac{1}{8} \times 6 =$

(F) $3\frac{1}{2} \times 4 =$

(G) $5 \times 1\frac{3}{4} =$

(H) $4 \times 2\frac{1}{2} =$

(I) $3 \times 5\frac{1}{3} =$

(J) $3 \times 6\frac{2}{3} =$

P.O. 5.06.04.02

NAME:_____ CLASS:_____ DATE:_____

Multiply a mixed number by a mixed number. Rename in simplest terms. Draw a line from the number sentence in column A to the answer in column B.

A

$3\frac{1}{4} \times 2\frac{1}{5} =$

$1\frac{1}{2} \times 2\frac{1}{3} =$

$1\frac{6}{7} \times 2\frac{1}{3} =$

$2\frac{2}{3} \times 3\frac{1}{2} =$

$6\frac{1}{2} \times 1\frac{1}{4} =$

$1\frac{3}{4} \times 1\frac{1}{2} =$

$1\frac{1}{5} \times 2\frac{3}{4} =$

$4\frac{1}{4} \times 1\frac{2}{3} =$

$3\frac{2}{3} \times 5\frac{1}{2} =$

$1\frac{3}{5} \times 2\frac{1}{2} =$

B

a. $8\frac{1}{8}$

b. $9\frac{1}{3}$

c. $3\frac{1}{2}$

d. $3\frac{3}{10}$

e. $2\frac{5}{8}$

f. $7\frac{1}{12}$

g. $7\frac{3}{20}$

h. $20\frac{1}{6}$

i. $4\frac{1}{3}$

j. 4

P.O. 5.06.04.03

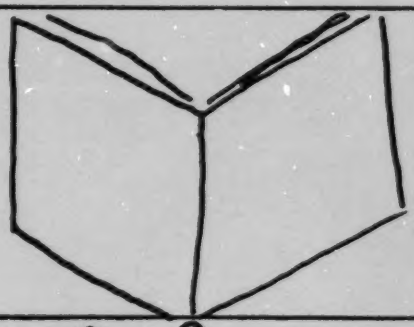
NAME:_____ CLASS:_____ DATE:_____

Solve each word problem.

Michael bought 3 steaks. Each steak weighed $2\frac{1}{2}$ lbs. How much did the steaks weigh altogether?

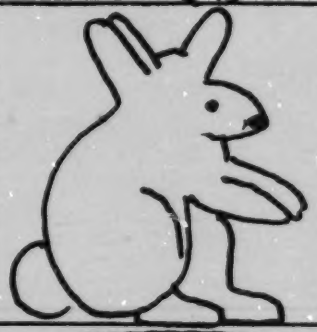
_____

Joan can read $8\frac{1}{2}$ pages in a hour. How many can she read in $2\frac{1}{2}$ hours? _____



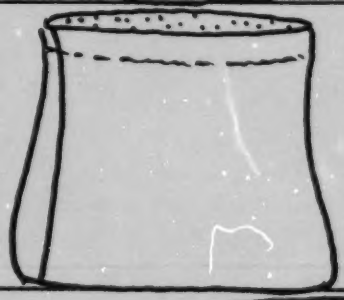
There are 6 rabbits in a bag. Each rabbit weighs $7\frac{1}{2}$ lbs. How heavy is the bag?

_____



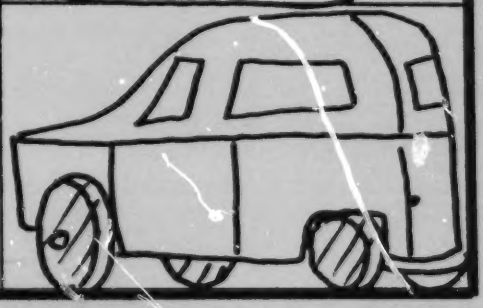
Joe can fill $10\frac{1}{4}$ bags of sand in an hour. How many can he fill in $3\frac{1}{3}$ hours?

_____



A car runs $16\frac{3}{4}$ miles on 1 gallon of gas. How far does it go on $4\frac{1}{2}$ gallons?

_____



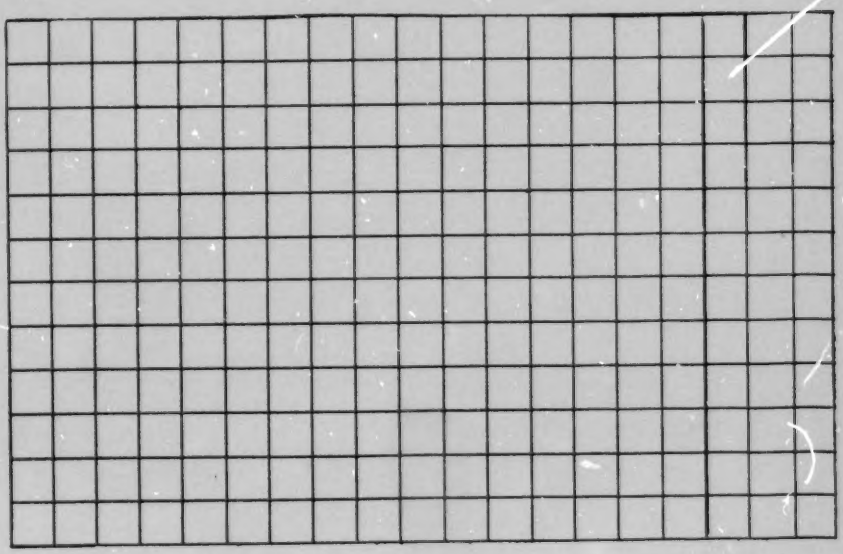
P.O. 5.12.01.01

NAME:_____ CLASS:_____ DATE:_____

Construct a double-bar graph to represent the given data.
Remember the importance of labels and headings.

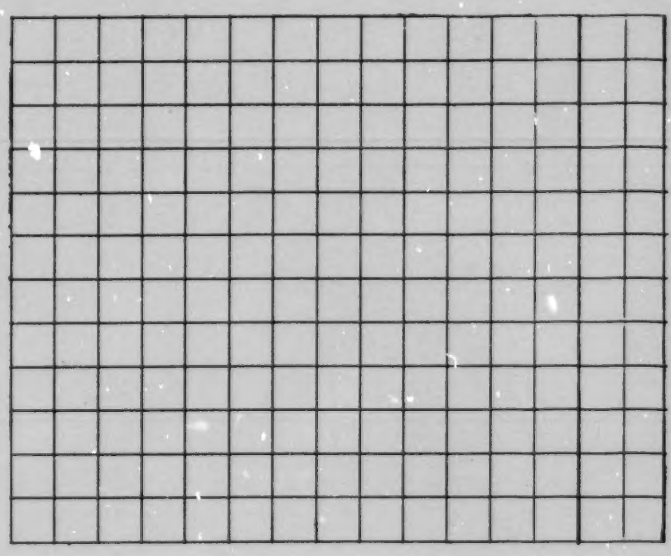
Students Participating in School Activities

	4th grade	5th grade
Chorus	35	30
School Play	15	20
Field Day	50	55
Science Fair	25	25



Number of Students in Each Grade

	Boys	Girls
K	20	21
1	20	25
2	27	30
3	32	24
4	28	29
5	30	31
6	25	20



P.O. 5.12.01.02

NAME: _____ CLASS: _____ DATE: _____

Write the name of the graph you would use to show the information presented in each box.
Challenge! Try to draw the appropriate graph.

Color Shoes Worn by Boys and Girls

	Boys	Girls
Black	15	5
Brown	25	8
Red	3	9
White	1	10
Blue	5	12

Number of Different Kinds of Fish in an Aquarium

Angelfish	6
Guppies	10
Neons	5
Gold	4
Striped	7

Number of Cents Earned for Newspapers Delivered

5 newspapers delivered - 20 cents earned

How Susan Spends her Allowance

Entertainment	$\frac{1}{4}$
Clothing	$\frac{1}{4}$
Savings	$\frac{2}{5}$
Snacks	$\frac{1}{10}$

P.O. 5.12.02.01

NAME: _____ CLASS: _____ DATE: _____

Find the average/mean of the numbers in each square. If the average is greater than 30, color the square red. If the average is less than 30 color the square blue.

18 19 12 11	64 28 80 12	37 59 41 31	24 10 13 17
48 23 71 82	5 18 12 13	17 22 33 40	56 23 38 47
25 36 25 38	19 24 12 29	34 27 32 14	59 63 28 30
23 27 32 14	25 42 63 74	26 34 49 55	34 26 15 17

P.O. 5.12.02.02

NAME: _____ CLASS: _____ DATE: _____

Circle the median in each example. Write the letter of the problem above each answer.

			A								
19	193	14	15	5	21	193		24	16	193	132

16	15	173	193		16	18	78	79	21

A. 7, (15), 23

B. 13, 17, 19, 21, 27

C. 12, 9, 14, 23, 18

E. 112, 172, 193, 201, 207

H. 17, 9, 13, 19, 16

U. 2, 6, 8, 3, 5

N. 75, 82, 74, 80, 79

O. 9, 12, 18, 27, 32

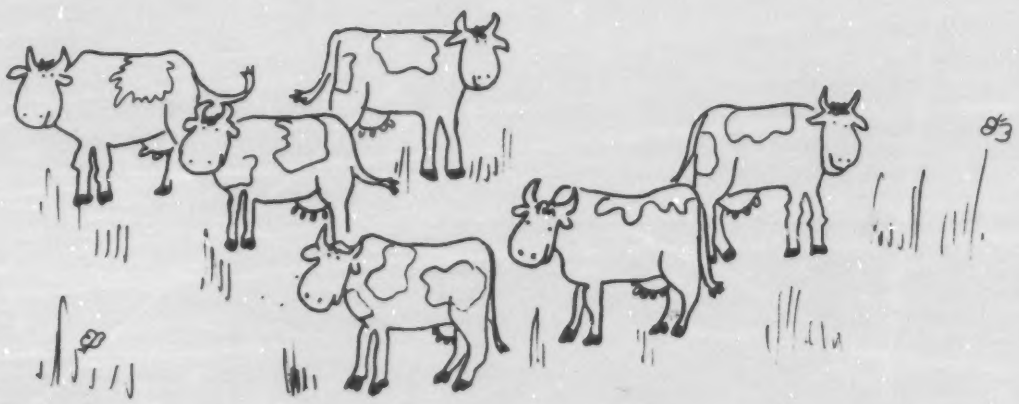
R. 70, 74, 78, 83, 85

S. 15, 12, 21, 24, 22

T. 8, 12, 24, 29, 32

V. 111, 159, 173, 182, 193

Y. 132, 147, 128



Why are cows so noisy?

P.O. 5.12.02.03

NAME:_____ CLASS:_____ DATE:_____

Solve the following problems.

The chart below shows the rain for the first six months of the year.

Months	Amount of Rain
January	7 inches
February	18 inches
March	14 inches
April	12 inches
May	4 inches
June	2 inches

① What was the range in the amount of rain from January to June? _____

② What was the average amount of rain from January to June? _____

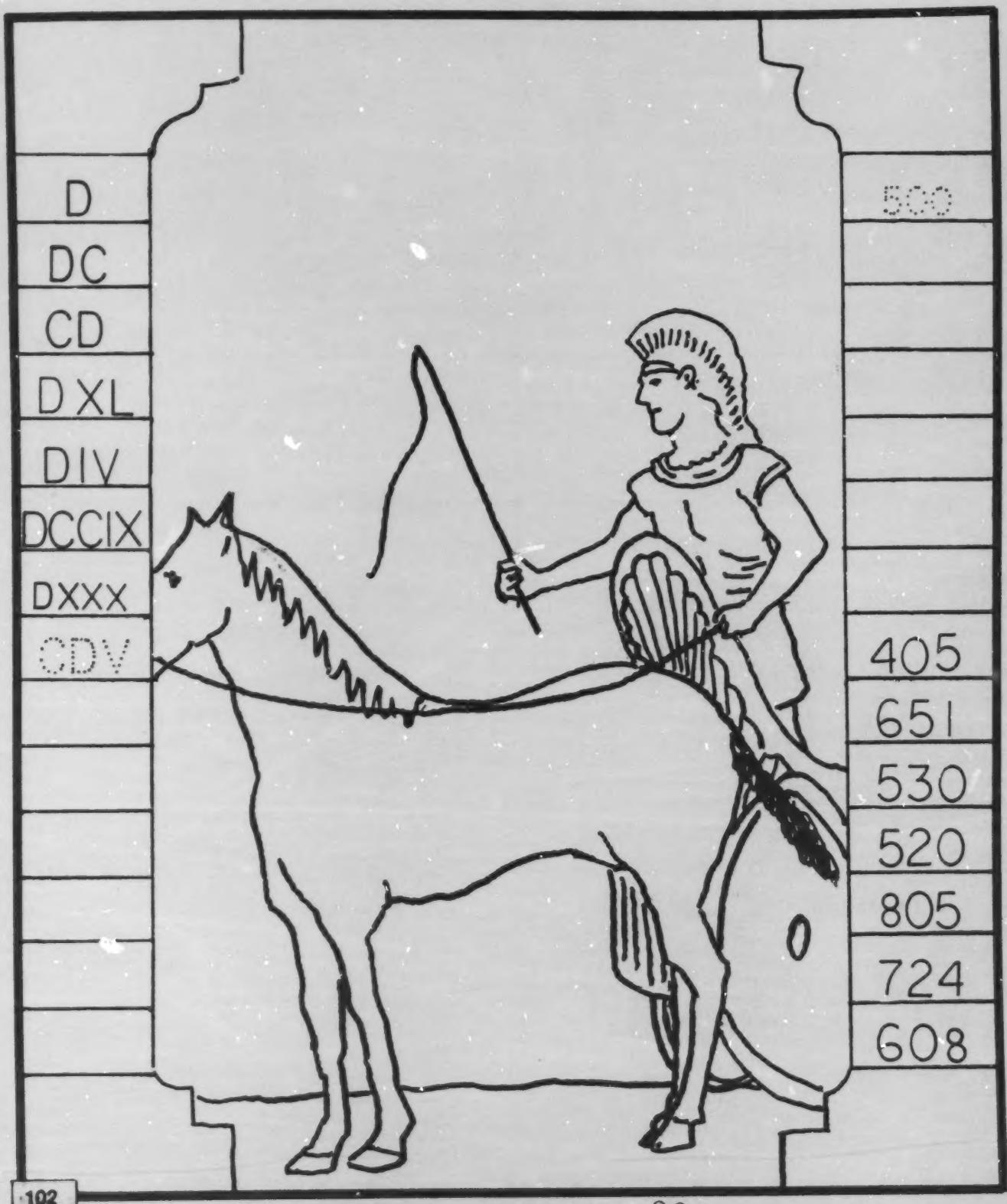
③ What was the range in the amount of rain from January to March? _____

④ What was the average amount of rain from January to April? _____

P.O. 5.01.03.01

NAME:_____ CLASS:_____ DATE:_____

Fill in the blanks.



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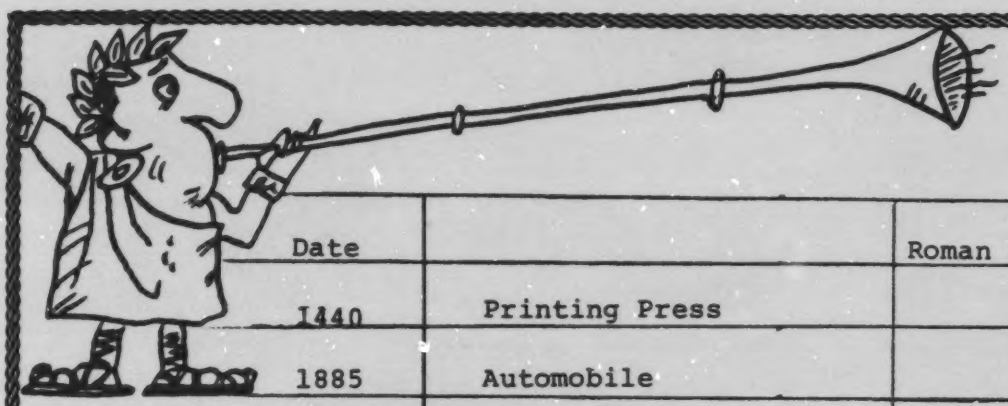
P.O. 5.01.03.02

NAME: _____ CLASS: _____ DATE: _____

Fill in the Roman numerals.



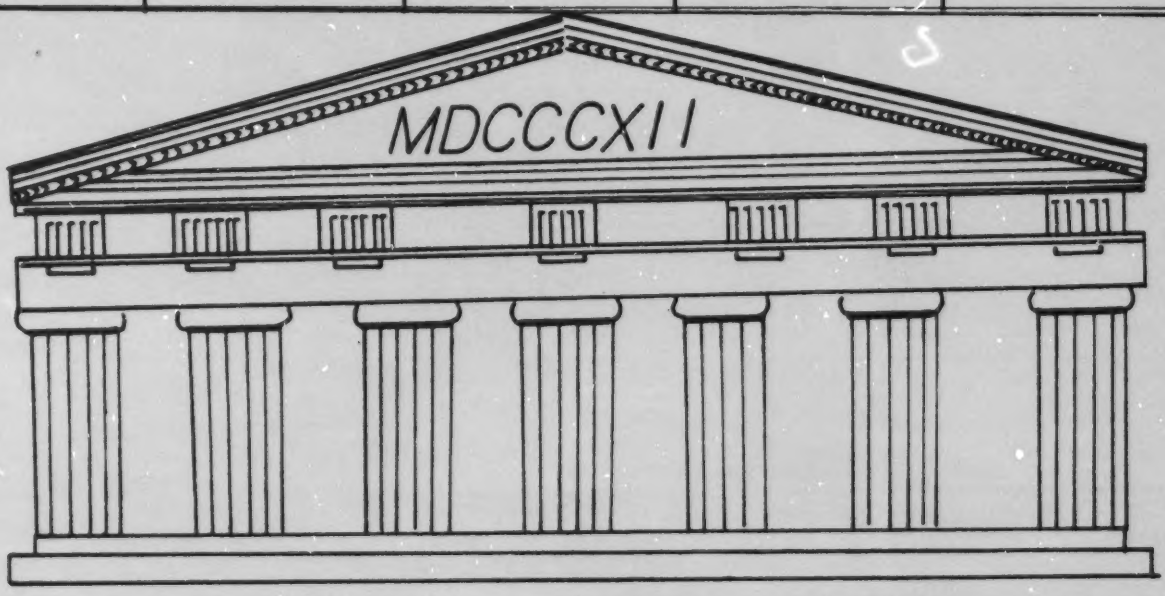
Date		Roman numeral
1440	Printing Press	
1885	Automobile	
1903	Airplane	
1904	Radio	
1924	Television	
Date		Roman numeral
1000	North America	
1492	Columbus Discovered New World	
1520	First Trip Around The World Completed	
1620	Pligrims landed in America	
1969	First Man on Moon	
Date		Roman numeral
1776	Declaration of Independence	
1865	United States Civil War Ended	
1945	World War II Ended	
1963	President Kennedy Assassinated	
1980	President Kennedy Elected President of the U.S.	

P.O. 5.01.03.03

NAME: _____ CLASS: _____ DATE: _____

Fill in Arabic numerals.
Write Arabic equivalents.

DC	DCC	DCIX	DCXL	DCL
MI	DCCC	DCIV	DCCLXX	MX
MD	MDCIX	MDCC	MC	MCCIV



DXL = 540
+DIV = +504

MCIX = ☐
+MCD = +☐

DCIX = ☐
+DCCI = +☐

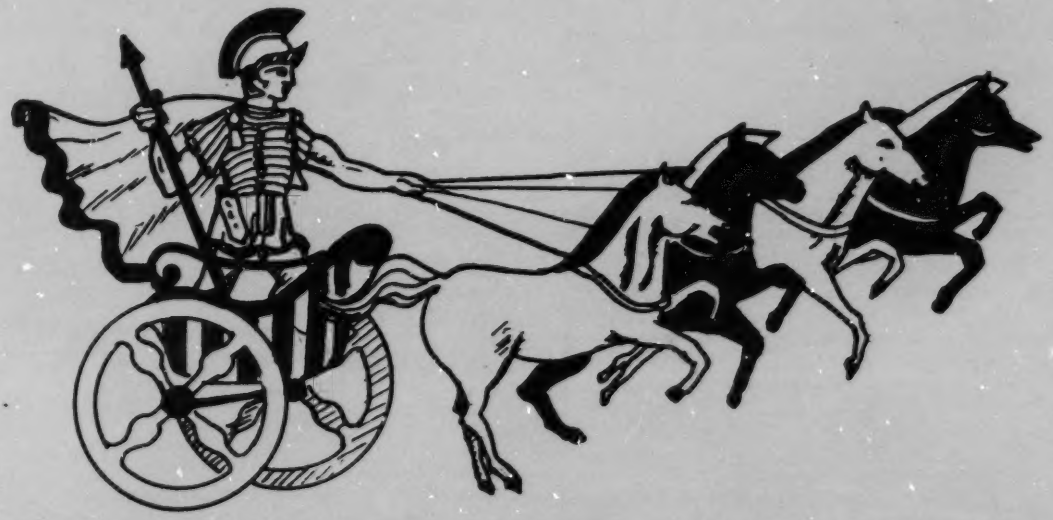
MDC = ☐
+MDCCIX = +☐

P.O. 5.01.03.04

NAME: _____ CLASS: _____ DATE: _____

A. Fill in Roman numerals.

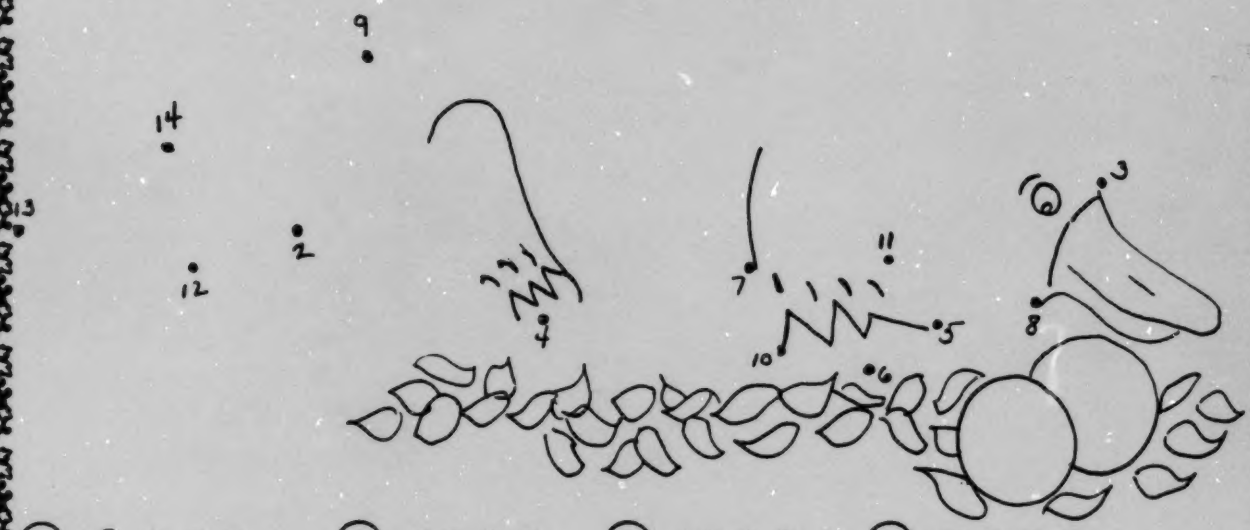
Arabic Numeral	750	603	525	640	830	899
Roman Numeral	DCCL					
Arabic Numeral	1001	1080	1505	1640	1780	983
Roman Numeral						



P.O. 5.04.04.01

NAME: _____ CLASS: _____ DATE: _____

Find each product. Connect the dots by going from the example with the smallest product to the example with the greatest product.



① 2000×10 = _____

② 4000×30 = _____

③ 1000×10 = _____

④ 7000×20 = _____

⑤ 6000×40 = _____

⑥ 3000×60 = _____

⑦ 5000×30 = _____

⑧ 9000×70 = _____

⑨ 1000×40 = _____

⑩ 4000×40 = _____

⑪ 8000×50 = _____

⑫ 3000×30 = _____

⑬ 2000×40 = _____

⑭ 7000×10 = _____

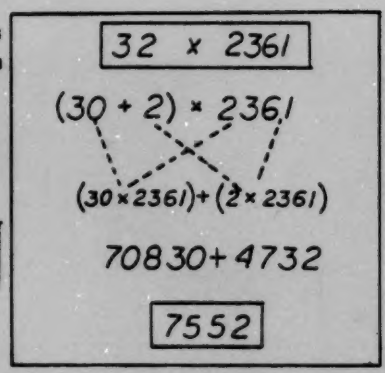
P.O. 5.04.04.02

NAME:_____ CLASS:_____ DATE:_____

Use the distributive property to solve each example.

Use the distributive property to solve each example.

The first one has been done for you.



24 × 1432

(20+4) × 1432

20 ×___ 4 ×___)

_____ + _____

_____

26 × 7563

(20 +6) × 7563

(20 ×___) + (6 ×___)

_____ _____

_____

41 × 2851

(40+1) × 2851

40 ×___) + (1 ×___)

_____ + _____

_____

35 × 4138

(30 + 5) × 4138

(30 ×_____) + (5 ×_____)

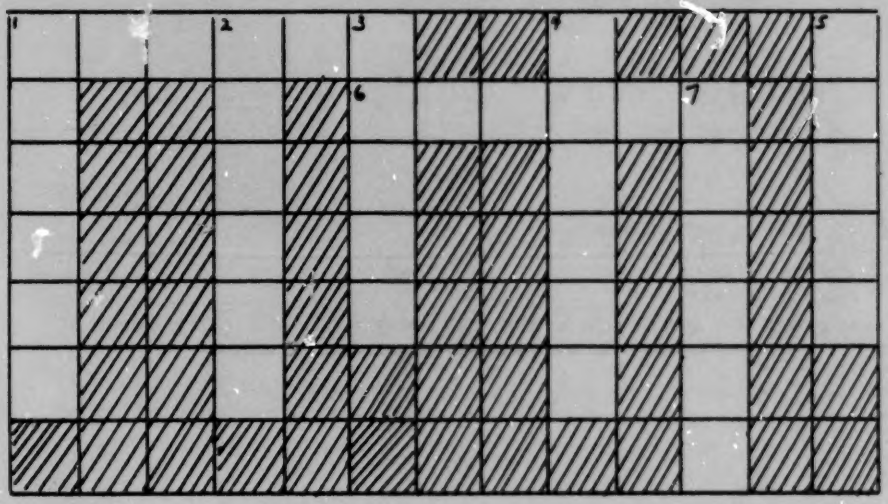
_____ + _____

_____

P.O. 5.04.04.03

NAME: _____ CLASS: _____ DATE: _____

Solve each problem. Use the answers to complete the puzzle.



Across

① 4203×36

⑥ 9004×63

Down

① 4655×42

② 6885×47

③ 3421×25

④ 3068×74

⑤ 3568×27

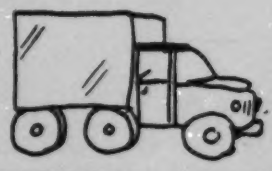
⑦ 6670×39

P.O. 5.04.04.04

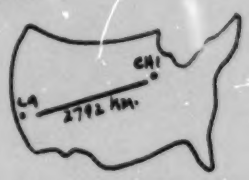
NAME:_____ CLASS:_____ DATE:_____

Read each word problem. Estimate the answer, then solve. Check by thinking through your example again.

1. A truck delivers 3,246 containers of milk to the school each week. How many containers will be delivered in 34 weeks?



2. The distance between Chicago and Los Angeles is 2792 km. If you travel between these two cities 43 times, how many kilometers will you have travelled?



3. A sports arena has 25 sections of seats. Each section has 1,026 seats. How many seats in the whole arena?

4. A newspaper has a circulation of 7,236 papers per day. How many papers will they print in 31 days?

5. A shoe factory can produce 5,248 pairs of shoes in one month. How many pairs of shoes can be produced in 12 months?

6. A pen company packs 24 pens in a box. How many pens will be in 1983 boxes?

P.O. 5.10.04.01

NAME:_____ CLASS:_____ DATE:_____

Find the area of each shape.

P.O. 5.10.04.02

NAME:_____ CLASS:_____ DATE:_____

Solve the following problems.

The custodian is going to re-tile our floor. If the dimensions of our room are 20 tiles by 12 tiles, how many tiles will he need?

A student's desk is 2 ft. wide and 4 ft. long. If we wish to cover it with contact paper, how much paper do we need?

A football field is 100 yards long and 30 yards wide. What is the playing area of the field?

If the area of a room is 40 square feet, what are its possible dimensions?
(4 by 10) (8 by 5) (20 by 2) (40 by 1)

Which of these are not really practical?
Why? (20 by 2) (48 by 1)

P.O. 5.05.02.01

NAME: _____ CLASS: _____ DATE: _____

Estimate each quotient to the nearest hundred without going over the dividend.

Here's How

$23\overline{)3,207}$

$100 \times 23 = 2300$

$200 \times 23 = 4600$ ↘ too high

Answer:

The quotient is ≥ 100 and ≤ 200.

$45\overline{)9,206}$

The quotient is > _____ and < _____.

$37\overline{)8,742}$

The quotient is > _____ and < _____.

$16\overline{)7,532}$

The quotient is > _____ and < _____.

$29\overline{)21,588}$

The quotient is > _____ and < _____.

$76\overline{)23,948}$

The quotient is > _____ and < _____.

$32\overline{)14,822}$

The quotient is > _____ and < _____.

$57\overline{)10,000}$

The quotient is > _____ and < _____.

P.O. 5.05.02.02

NAME: _____ CLASS: _____ DATE: _____

Find each quotient and check.

$32\overline{)5{,}520}$

$100 \times 32 \rightarrow 3{,}200$

$2{,}320$

$70 \times 32 \rightarrow 2{,}240$

80

$2 \times 32 \longrightarrow 64$

16

CHECK

172

$\times\ 32$

344

5160

5504

$+\ 16$

5520

$24\overline{)4593}$

CHECK

$36\overline{)7237}$

CHECK

$16\overline{)8{,}107}$

CHECK

$\overline{)1{,}187}$

CHECK

$23\overline{)45{,}198}$

CHECK

$45\overline{)57{,}935}$

CHECK

P.O. 5.05.02.03

NAME:_____ CLASS:_____ DATE:_____

Solve.

1. A local sports stadium seats 23,468 people. There are 25 seats in each row. How many rows are there?

2. The Happy School raised $11,872 for UNICEF. If each of the 56 classes in the school raised the same amount of money. How much did each class raise?

3. A coal truck needs to deliver 121,500 pounds of coal to 15 schools. How much coal is delivered to each school?

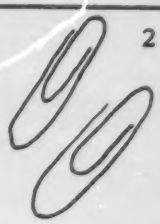
4. The ABC Company has 36 workers. Each worker earns the same amount of money. The total amount of their payroll for 1 week was 12,600. How much did eachworker get paid?

P.O. 5.13.03.01

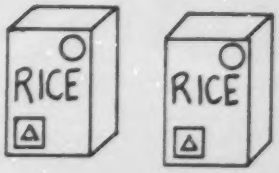
NAME:_____ CLASS:_____ DATE:_____

Read each problem. Decide if there is enough information to solve the problem. If there is enough information solve the problem.

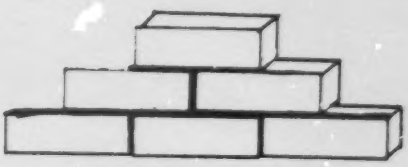
1. Mr. Green ordered 120 cases of potato chips. Each case contains 24 bags of chips. How many bags did he order?



2. A group of students made a paper clip chain. The chain was 12 feet long. How many clips did they use?



3. The school cook made rice for lunch. Each box of rice serves 24 students. How many boxes of rice did she use?



4. Mr. Smith has a rectangular garden. He placed 25 bricks along one side and 10 bricks along the second side. How many bricks does he need to enclose the whole garden?

5. The Delicious Apple Company uses 2 bushels of apples to make 5 gallons of cider. How many apples did they use for 5 gallons of cider?

P.O. 5.13.03.02

NAME:_____ CLASS:_____ DATE:_____

Supply the missing information on the lines and then solve the problem.

1. Keith weighs 72 pounds. How much more does his brother weigh?

_____

_____

Work Space

2. Joan likes to jog. She jogs every day. How many miles does she jog in 10 days?

_____

_____

3. Maria has 50 granola bars. She wants to share them with her friends. How many will each one get?

_____

_____

4. A new dress costs $12.00. How much more money does Marisol need before she can buy the dress?

_____

_____

5. Bobby has a job baby sitting. If he sits for 3 hours a week, how much money will he earn in 4 weeks?

_____

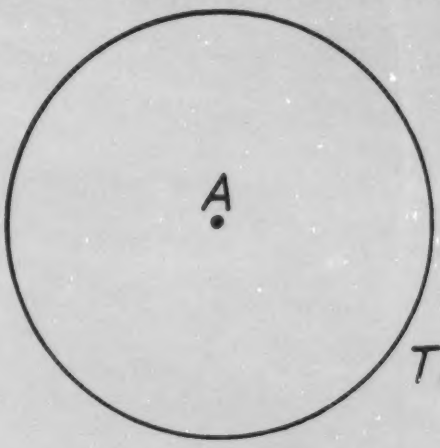
_____

P.O. 5.09.04.01

NAME: _____ CLASS _____ DATE: _____

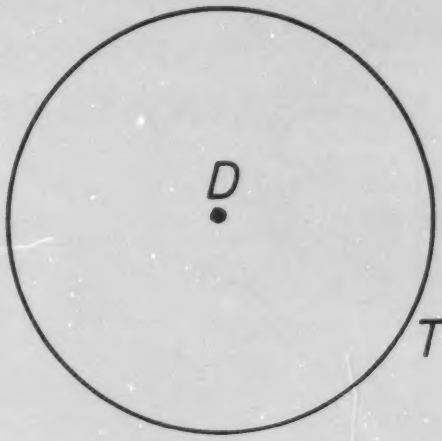
For each circle draw a central angle and label it.

1.



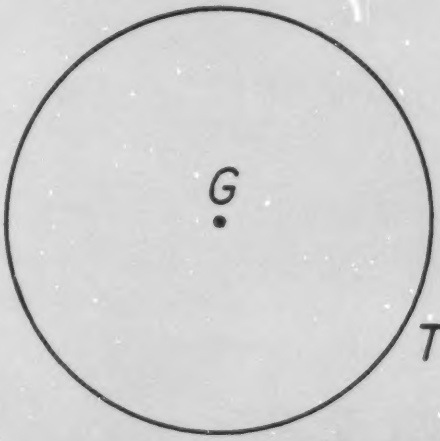
The central angle is _____

2.



The central angle is _____

3.

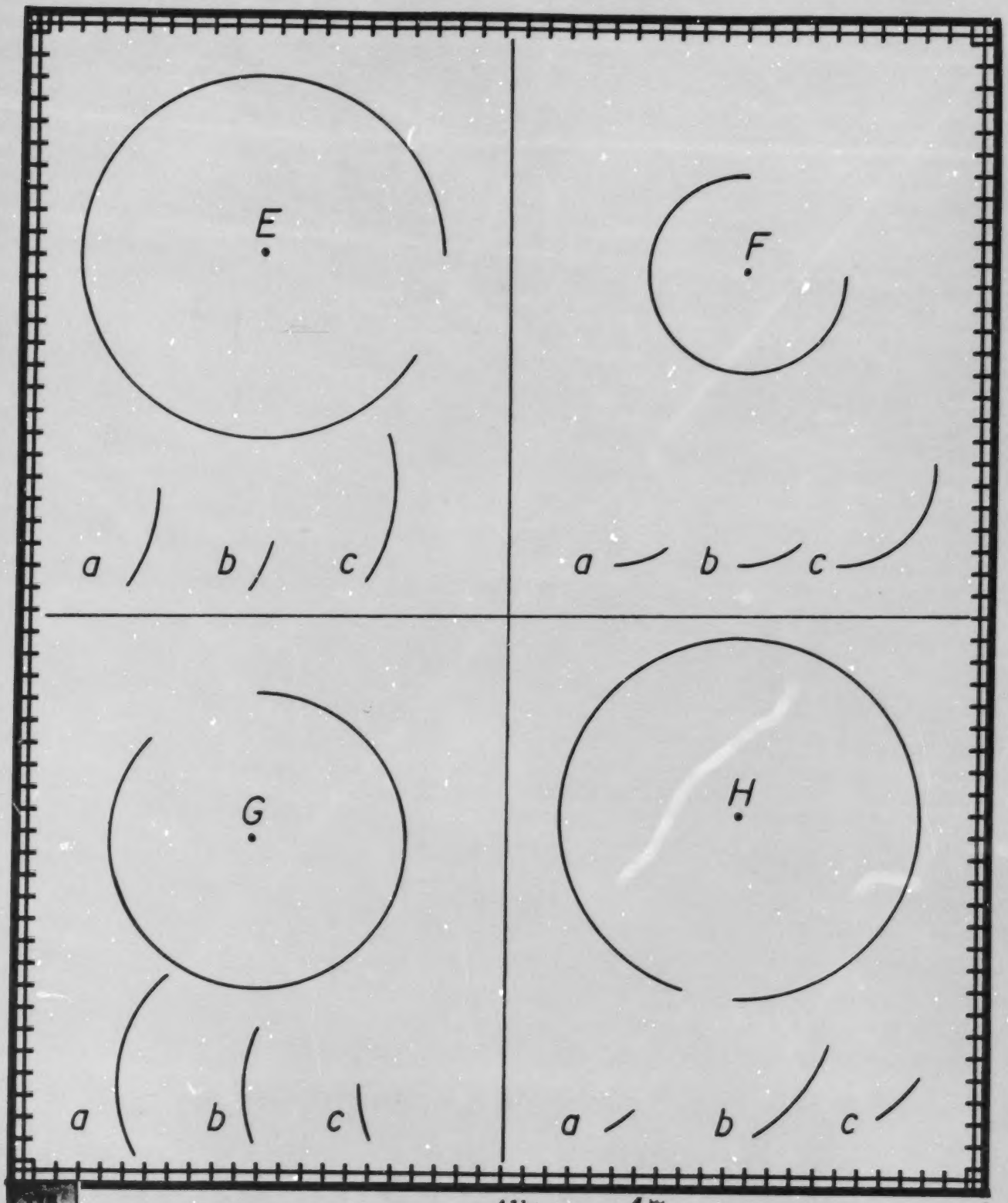


The central angle is _____

P.O. 5.09.04.02

NAME: _____ CLASS: _____ DATE: _____

Choose the arc that would fit each given circle.



P.O. 5.09.04.03

NAME:_____ CLASS:_____ DATE:_____

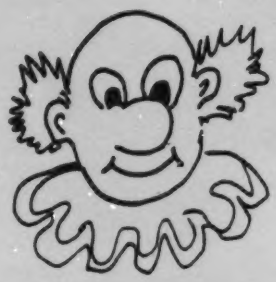
Use your compass to draw 5 intersecting circles.

P.O. 5.09.04.04

NAME:_____ CLASS:_____ DATE:_____

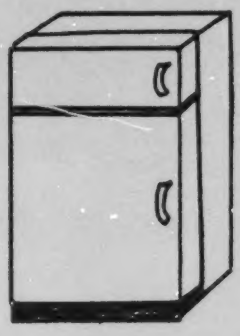
Color the items whose shapes can be called an ellipse.

A

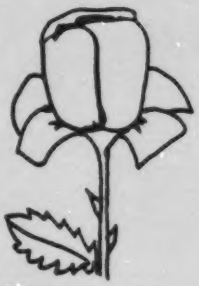
B 

C

D

E 

F

G 

H

I

J

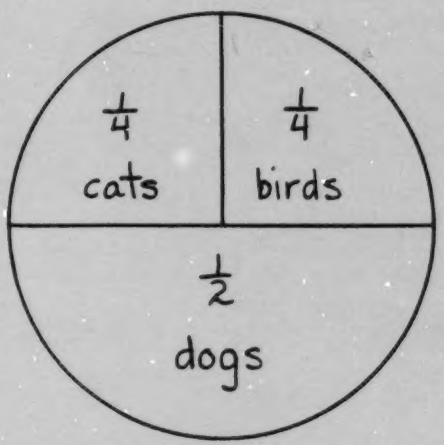
K

L

P.O. 5.12.03.01

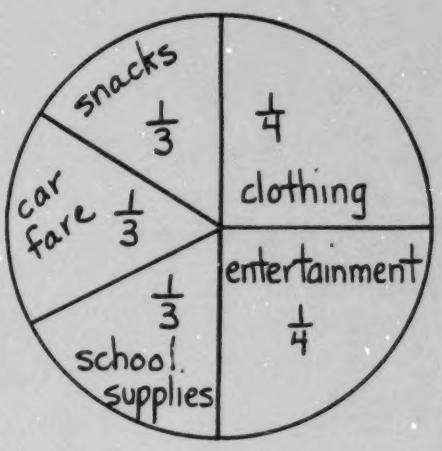
NAME: _____ CLASS: _____ DATE: _____

Answer the questions based on the information given on each circle graph.



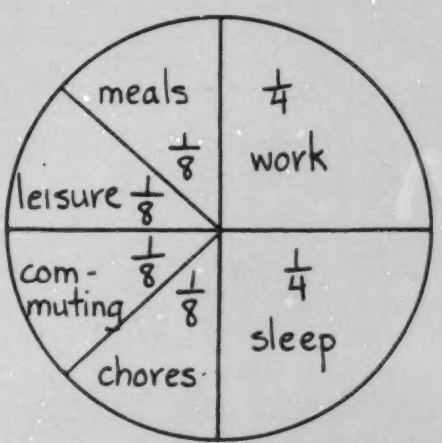
Favorite Pets of Class 507

1. How many kinds of pets are represented in this circle graph? _____
2. Which pet is favored by the largest number of students? _____
3. Which pets are favored by the same number of students? _____
4. What fraction of students chose dogs as their favorite pet? _____



Jerome's Allowance

1. What fraction of Jerome's allowance is spent on clothing? _____
2. What fraction of Jerome's allowance is spent on school supplies? _____
3. What does Jerome spend more money for? entertainment ☐ car fare ☐
4. How much of Jerome's allowance is spent on clothing and entertainment? _____



Time Spent in a Day

1. How many categories is the graph divided into? _____
2. What fraction of the day is spent on meals? _____
3. What two activities take up 1/2 of the day? _____
4. What fraction of the day is spent on chores? _____

P.O. 5.12.03.02

NAME: _____ CLASS: _____ DATE: _____

Construct a circle graph to represent the given information.
You may color each segment of the graph a different color.

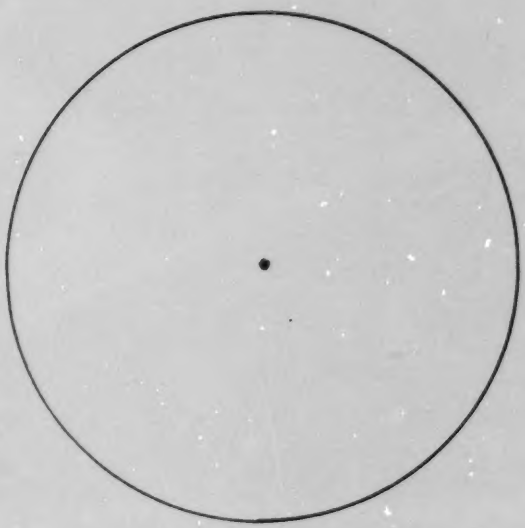
School Budget

$\frac{1}{2}$ - staff salaries

$\frac{1}{4}$ - books and supplies

$\frac{1}{8}$ - maintenance

$\frac{1}{8}$ - extra activities



Household Budget

$\frac{1}{4}$ - rent

$\frac{1}{4}$ - food

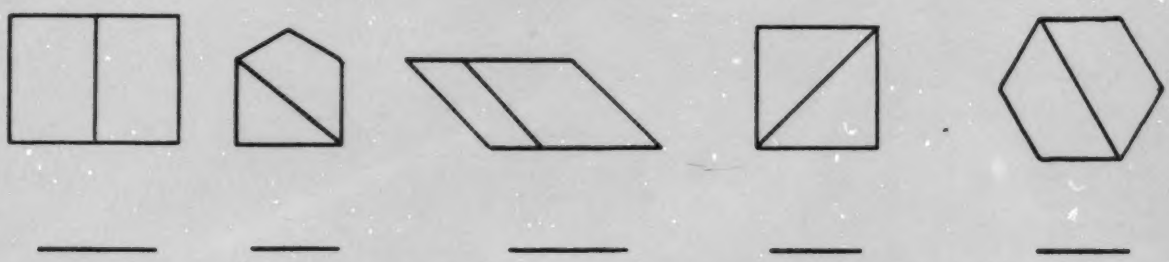
$\frac{2}{5}$ - utility bills

$\frac{1}{10}$ - maintenance

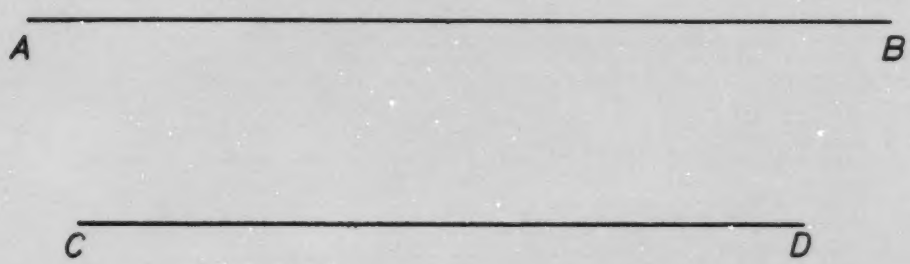
P.O. 5.09.05.01

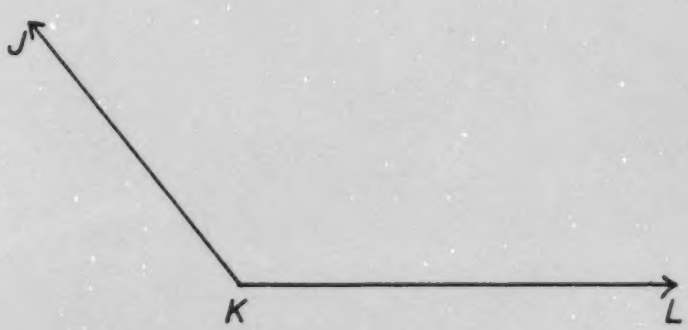
NAME: _____ CLASS: _____ DATE: _____

1. Are these shapes divided into congruent parts?
2. Using a compass construct a line segment congruent to A,B, and a line segment congruent to C,D.
3. Use a protractor to construct the angle DEF $\cong$ JKL.



_____ _____ _____ _____ _____





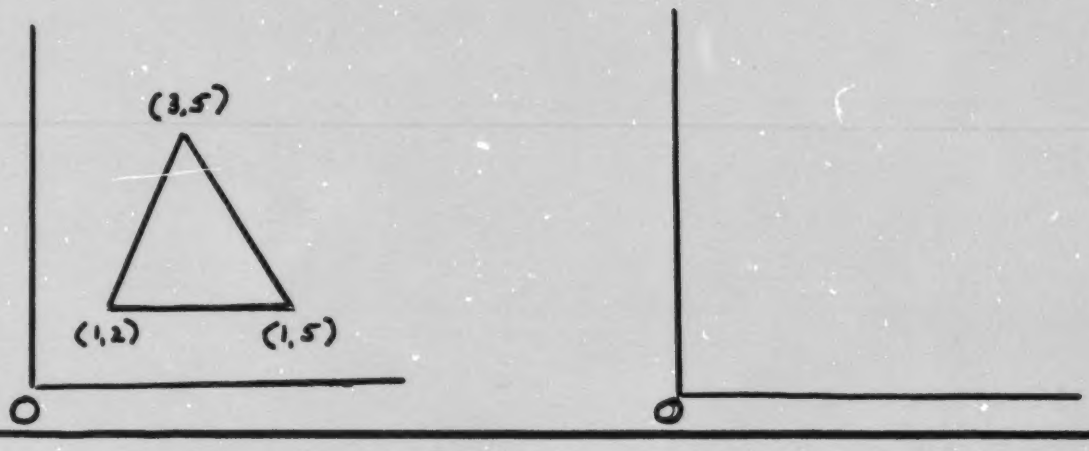
P.O. 5.09.05.02

NAME:_____ CLASS:_____ DATE:_____

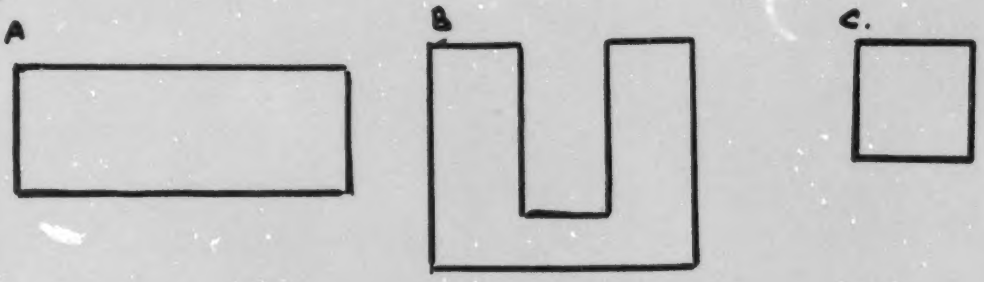
1. Construct similar shapes.
2. Multiply the coordinates by 2 and construct similar shapes.
3. Using a ruler construct similar shapes.

1.

2.



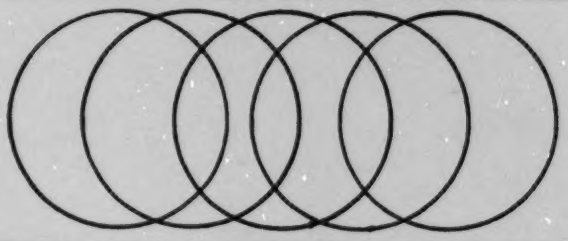
3.



P.O. 5.02.02.01

NAME:_____ CLASS:_____ DATE:_____

Round the addends in each example to the largest possible place. Estimate the sum.



ROUND AND ROUND

Round and estimate

214,742	200,000
19,863	20,000
+ 3,120	3,000
	233,000

Round and estimate

41,910
55,727
+ 69,784

Round and estimate

22,821
12,687
399
18

Round and estimate

3,784
2,690
1,907

Round and Estimate

$294.18
143.79
628.15

Round and estimate

$427.18
70.17
9.50
.25

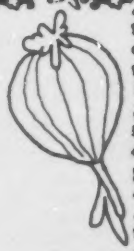
P.O. 5.02.02.02

NAME: _____ CLASS: _____ DATE: _____

Find each sum and check.

41,187
5,421
+ 3,485

$6,60.78
2,12.12
+ 24.95



5,629
4,872
275
+ 14

$5,115.25
1,250.00
+ 52.97

86,187
25,487
+64,785

$28.74
96.42
+87.65

P.O. 5.02.02.03

NAME:_____ CLASS:_____ DATE:_____

Read the problems then: 1. Round the addends and estimate the sum. 2. Add the numbers of the problem. 3. Check your work.

1)

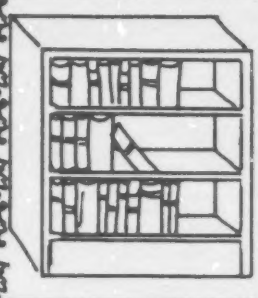
A spaceship traveling to Saturn has 3 parts. The first part weighs 36,195 tons, the second weighs 22,195 tons, and the third part weighs 11,292. What is the total weight of the ship?

Estimate	Solve	Check
40,000	36,195	69,682
20,000	22,195	36,195
10,000	11,682	22,195
70,000	69,682	11,292

2)

12,903 people travel to the city in the morning. 3,294 travel in the afternoon and 7,976 travel in the evening. How many people travel into the City in the day?

Estimate Solve Check



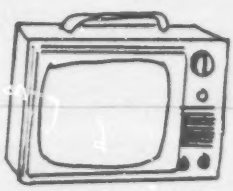
3) The central library received 14,095 books in January, 11,297 in February and 10,011 in March. How many books did the library recieve in the 3 months?

Estimate Solve Check

4)

The 747 airplane traveled 4,595 miles Monday, 2,697 miles Tuesday and 1,035 miles on Wednesday. How many miles did it travel in all?

Estimate Solve Check

5) 

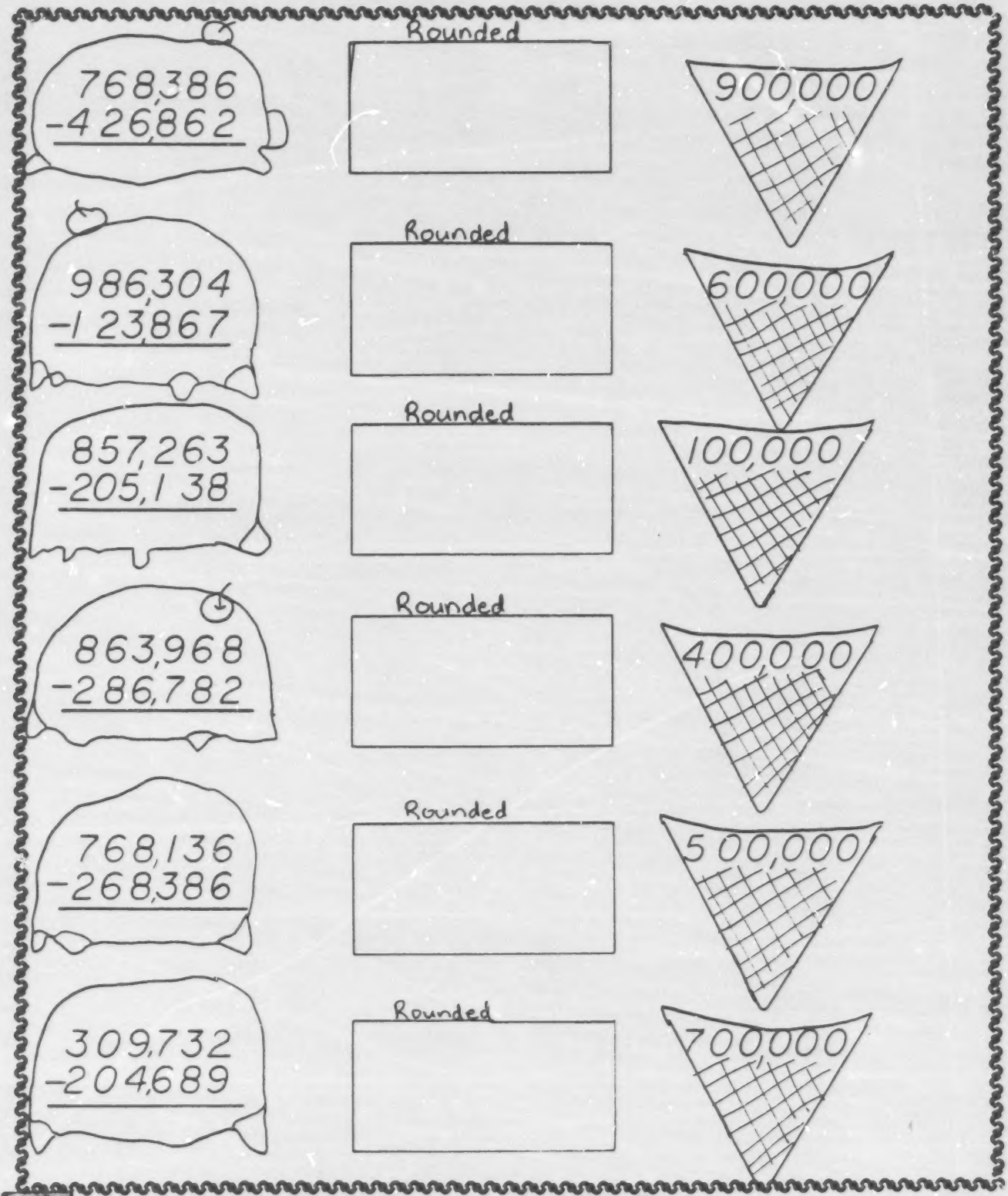
The Smith family needs a new stove, refrigerator , a television. The best price they found for the refrigerator was $535.62, for the stove $739.27 and the television $337.19. What was the total price of all three items?

Estimate Solve Check

P.O. 5.03.02.01

NAME: _____ CLASS: _____ DATE: _____

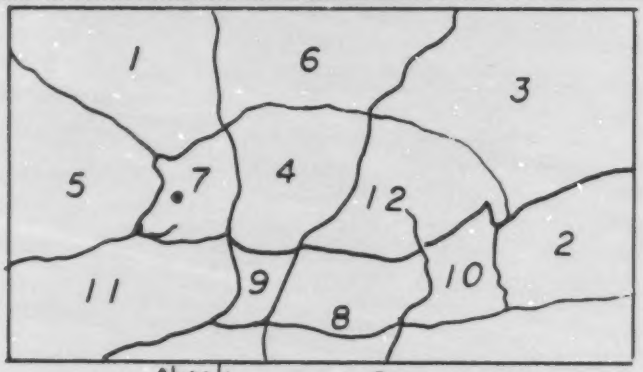
Put the ice cream on the cone. Round each number to the nearest hundred thousand. Match the problem to the estimated difference.



P.O. 5.03.02.02

NAME:_____ CLASS:_____ DATE:_____

Find the difference and check each example. If the difference is odd, color the numbered area green. If the difference is even, color the numbered area brown.



(1) 986,389
−127,762
check

(2) 867,961
−763,982
check

(3) 782,000
−173,763
check

(4) 863,960
−170,076
check

(5) 762,891
−173,986
check

(6) 983,386
−687,123
check

(7) 486,768
−386,236
check

(8) 786,174
−362,333
check

(9) 863,175
−172,963
check

(10) 963,864
−454,462
check

(11) 586,127
−104,114
check

(12) 236,122
−123,456
check

129

P.O. 5.03.02.03

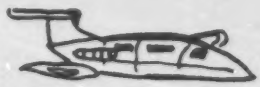
NAME: _____ CLASS: _____ DATE: _____

1) Last season 819,382 people attended football games at Giant Stadium and 639,457 attended baseball games at Shea Stadium. How many more people attended football games than baseball games?

2) 728,625 people from Brooklyn drive their cars to work. 571,394 people take the bus. What is the difference between drivers and riders?

3) In 1982 a school purchased 946,257 pretzels. In 1983 the school purchased 839,156 pretzels. How many more pretzels did they purchase in 1982?

4) In one month, Tri-City Airline planes fly 436,524 miles. North South planes fly 642,717 miles. How many more miles does North South fly than Tri-City?

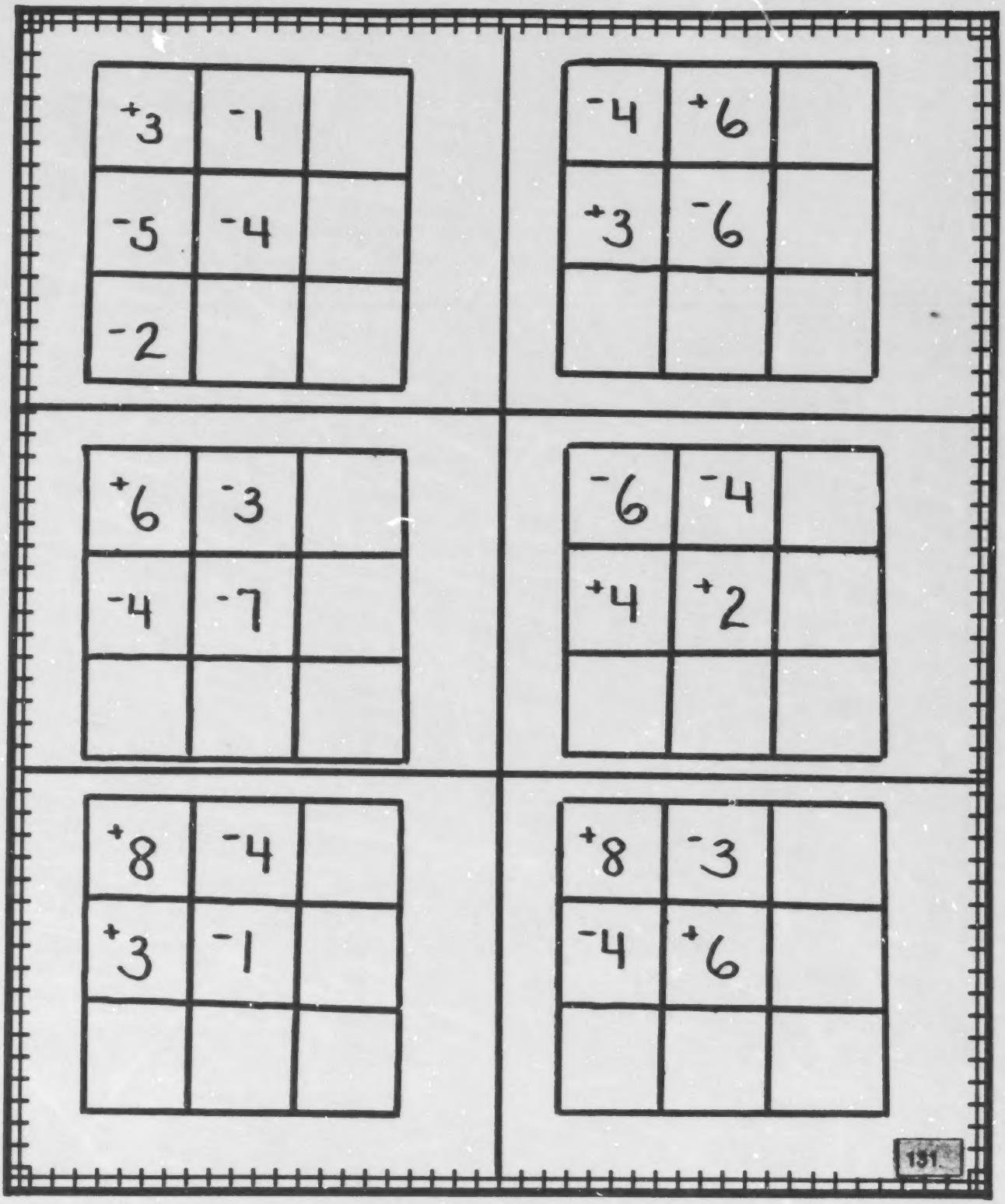


5) Last year Winter Car Company built 872,654 cars. They sold 746,438 of these cars. How many cars were not sold?

P.O. 5.08.01.01.

NAME: _____ CLASS; _____ DATE: _____

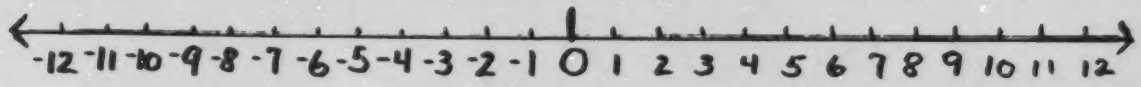
Fill in the magic squares by adding the signed numbers.



P.O. 5.08.01.02

NAME: _____ CLASS: _____ DATE: _____

Use the number line to complete the problems.



1. $^{+}5 + {}^{-}10 = \square$
2. $^{-}4 + {}^{-}6 = \square$
3. $^{+}6 + {}^{-}6 = \square$
4. $^{-}11 + {}^{+}14 = \square$
5. $^{+}12 + {}^{-}18 = \square$
6. $^{-}7 + {}^{+}9 = \square$
7. $^{+}3 + {}^{-}3 = \square$
8. $^{+}0 + {}^{-}7 = \square$
9. $^{+}2 + {}^{-}8 = \square$
10. $^{-}9 + {}^{+}13 = \square$
11. $^{+}12 + {}^{-}12 = \square$
12. $^{-}11 + {}^{+}3 = \square$
13. $^{-}4 + {}^{+}2 = \square$
14. $^{+}4 + {}^{-}3 = \square$
15. $^{+}8 + {}^{-}6 = \square$

P.O. 5.13.04.01

NAME: _____ CLASS: _____ DATE: _____

Solve the problems.

How many times does the digit 2 appear in the numbers from 200 to 220?

How many odd numbers are there between 25 and 50?

How many numbers from 1 to 30 are multiples of 6?

P.O. 5.13.04.02

NAME:_____ CLASS:_____ DATE:_____

Solve the problem by arranging the information in the table.

The Yellow Cab Company wants to know which hotel in New York City its drivers go to most frequently. Below you will find the names of the drivers and the number of trips to each hotel.

Mr. Lewis - Waldorf (8), Plaza (3), Vista (12), Milford (10), Sheraton (14)

Ms. Jones - Milford (5), Sheraton (10), Plaza (11), Waldorf (7), Vista (8)

Mrs. Brown - Plaza (8), Waldorf (13), Vista (10), Sheraton (12), Milford (11)

Mr. Smith - Milford (8), Waldorf (11), Sheraton (13) Vista (9), Plaza (5)

Ms. Casey - Sheraton (5), Plaza (4), Waldorf (6), Vista (7), Milford (10)

Driver	Waldorf	Plaza	Vista	Milford	Sheraton

P.O. 5.01.04.01

NAME:_____ CLASS:_____ DATE:_____

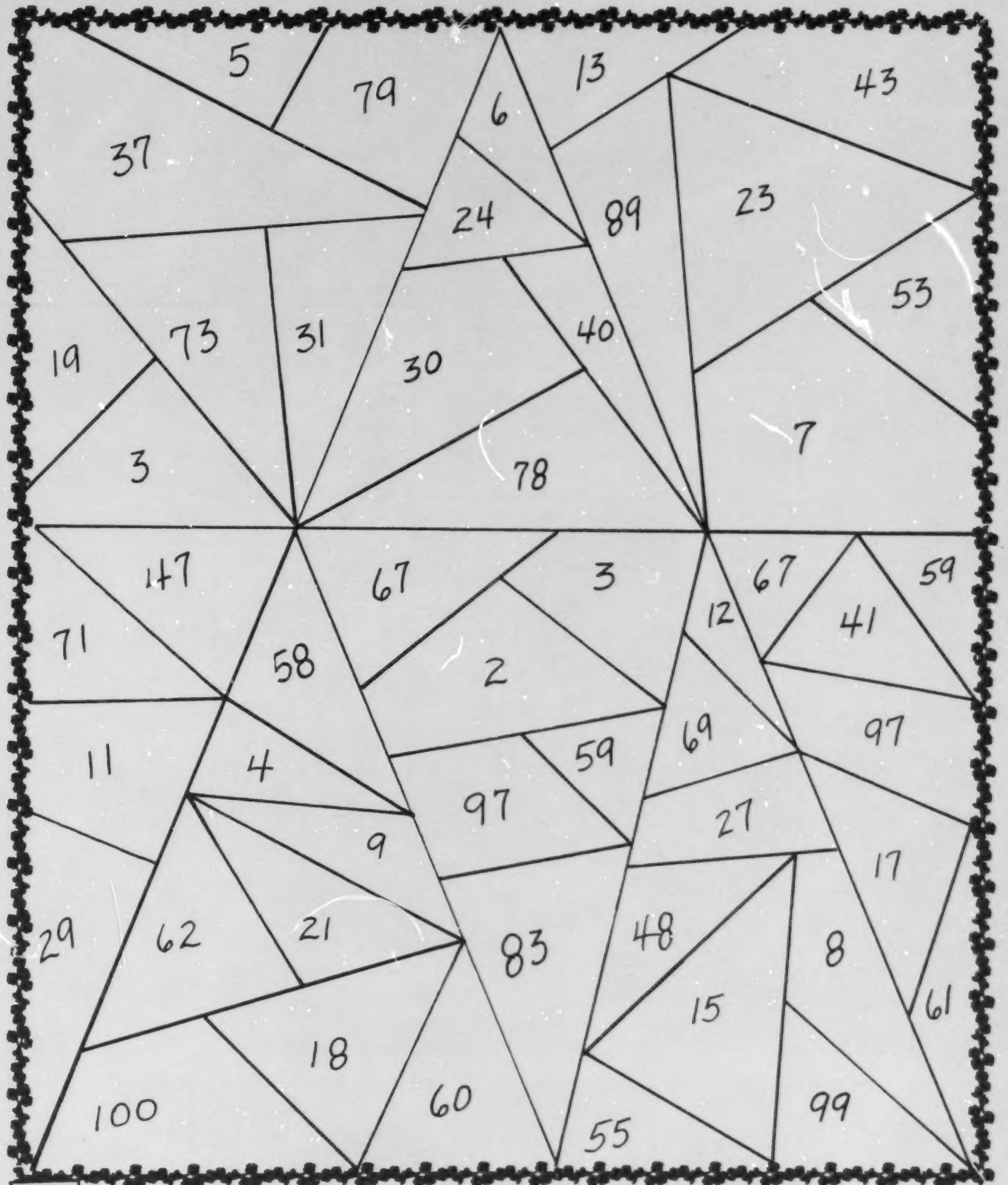
Circle all the prime numbers.

1	2	3	4	5	6	7	8	9	10
11	12	13	14	15	16	17	18	19	20
21	22	23	24	25	26	27	28	29	30
31	32	33	34	35	36	37	38	39	40
41	42	43	44	45	46	47	48	49	50
51	52	53	54	55	56	57	58	59	60
61	62	63	64	65	66	67	68	69	70
71	72	73	74	75	76	77	78	79	80
81	82	83	84	85	86	87	88	89	90
91	92	93	94	95	96	97	98	99	100

P.O. 5.01.04.02

NAME:_____ CLASS:_____ DATE:_____

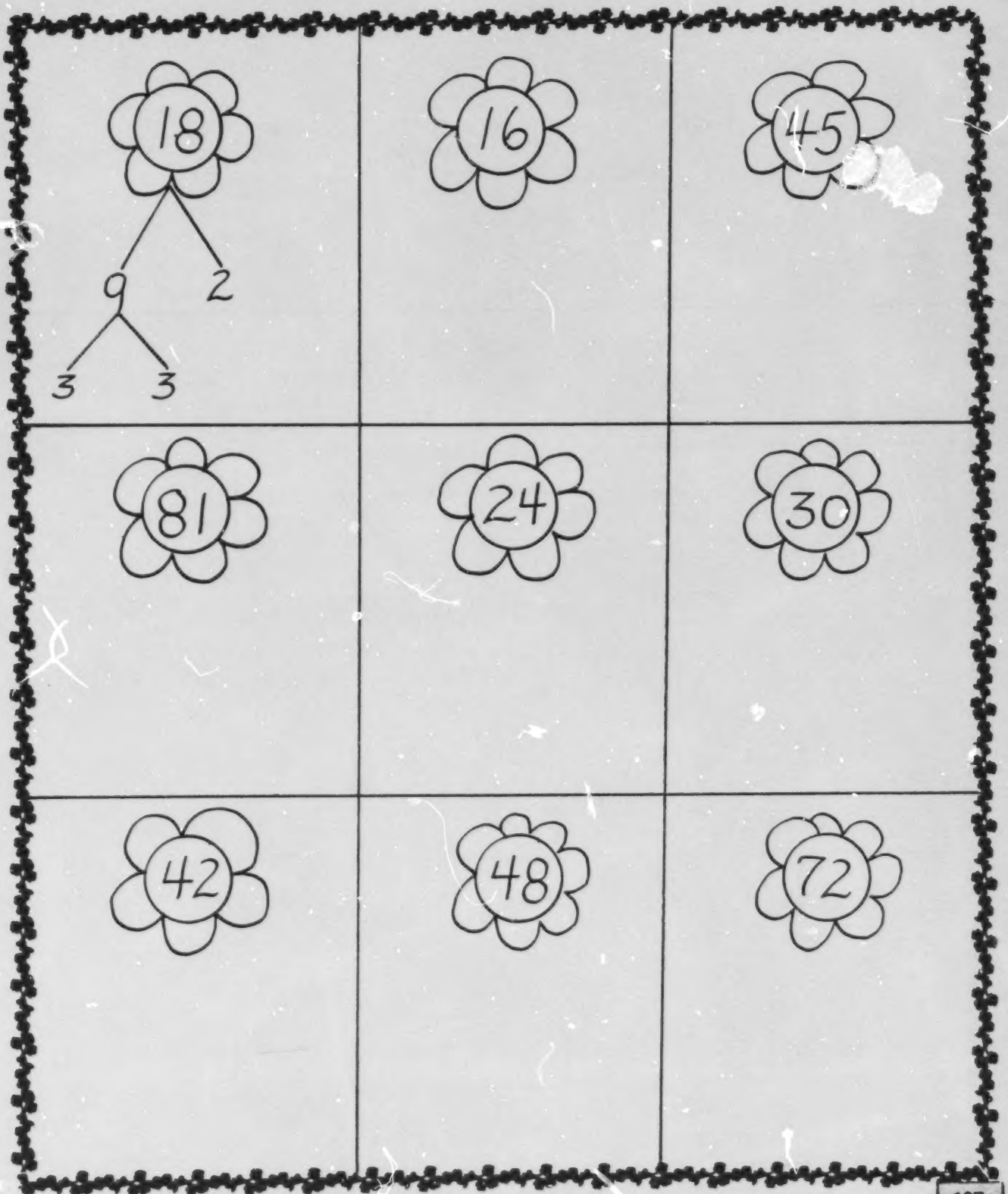
Color all the prime numbers red. Color all the composite numbers blue. What pattern did you make?



P.O. 5.01.04.03

NAME:_____ CLASS:_____ DATE:_____

The number plant needs roots in order to grow.
Rename the number as a product of its primes.



P.O. 5.05.03.02

NAME: _____ CLASS: _____ DATE: _____

Solve each example.
Use the key to solve the riddle.

KEY	B	E	G	I	L	R	T
	27	200	210	145	7	76	240

$700\overline{)4900}$ -4900 0 L	$200\overline{)29000}$	$300\overline{)72000}$	$400\overline{)96000}$	$500\overline{)3500}$	$400\overline{)80000}$
$900\overline{)24300}$	$600\overline{)87000}$	$400\overline{)84000}$	$100\overline{)21000}$	$300\overline{)60000}$	$900\overline{)68400}$

P.O. 5.05.03.01

NAME:_____ CLASS:_____ DATE:_____

Solve.

I.

1. $\square \times 600 = 3{,}000$

$600\overline{)3{,}000}$

2. $\square \times 300 = 9{,}000$

$300\overline{)9{,}000}$

3. $\square \times 500 = 2{,}000$

$500\overline{)2{,}000}$

4. $\square \times 200 = 8{,}000$

$200\overline{)8{,}000}$

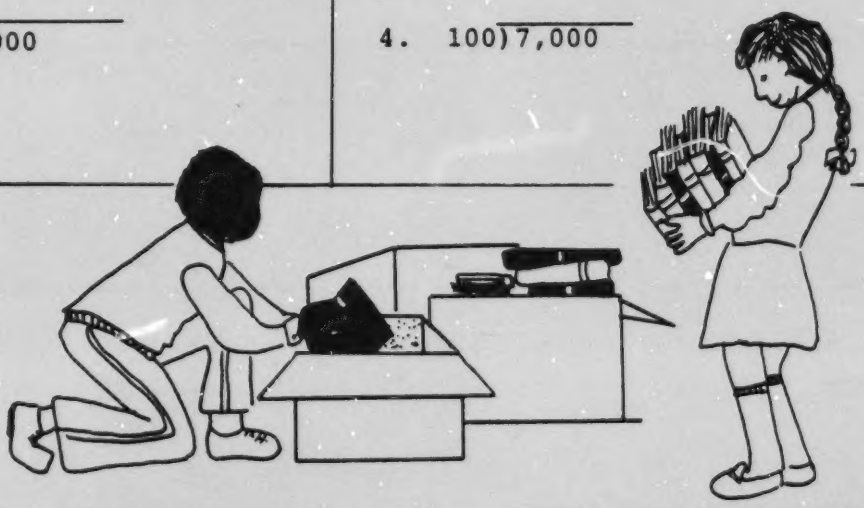
II.

1. $500\overline{)4{,}000}$

2. $200\overline{)6{,}000}$

3. $600\overline{)3{,}000}$

4. $100\overline{)7{,}000}$



139

P.O. 5.05.03.03

NAME: _____ CLASS: _____ DATE: _____

Solve each word problem.

1. One stadium has seats for 56,500 people. There are 200 sections. About how many people can be seated in each section?

2. A rocket travels 8,000 miles in 100 minutes after launch. How many miles is it traveling each minute?

3. A company spent $71,925 on 200 new typewriters. How much did each one cost?

4. A car factory needs 70,000 screws of one type to manufacture 400 cars. How many of these screws are needed for each car?

5. During one month, a school served 9,000 meals to its 500 students. About how many meals did each student have?

P.O. 5.05.04.01

NAME: _____ CLASS: _____ DATE: _____

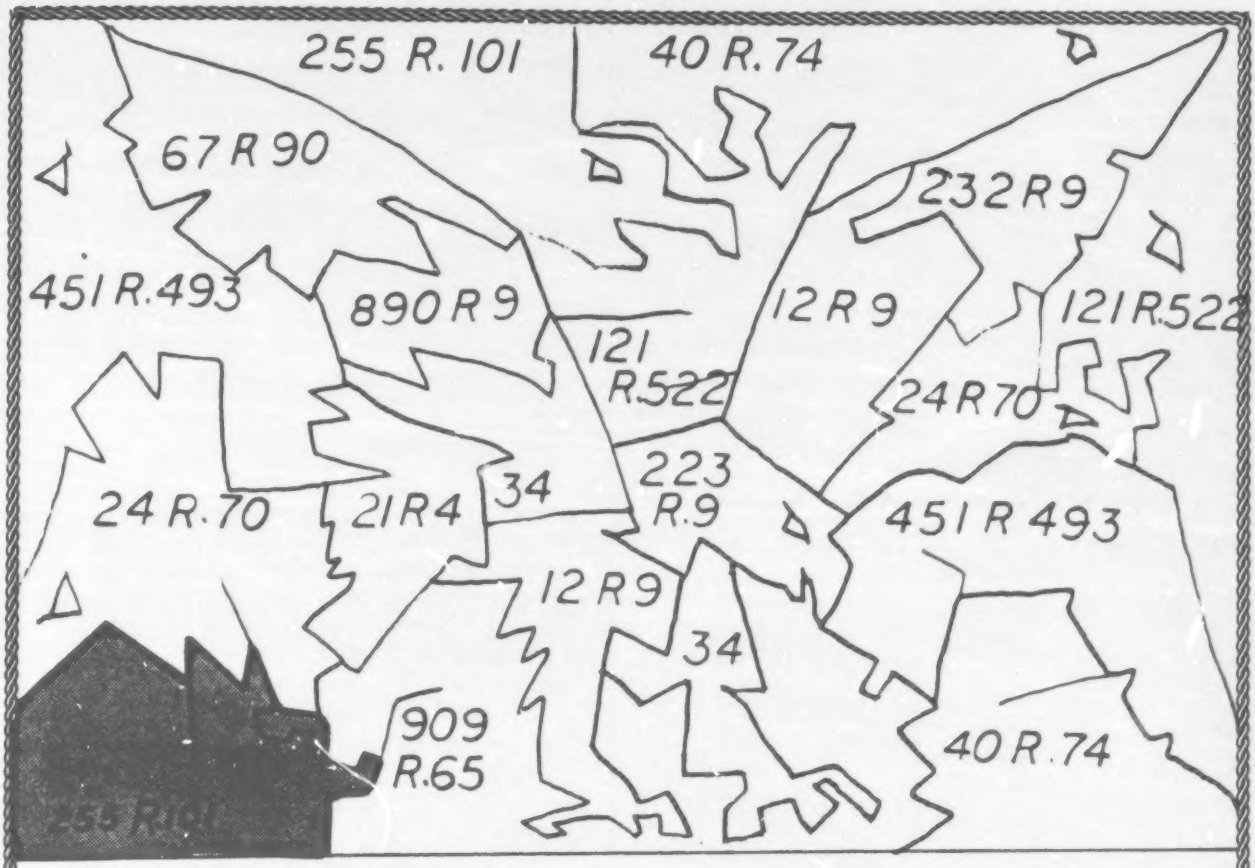
Estimate the quotients.

$242\overline{)86931}$	$624\overline{)24235}$
$415\overline{)44100}$	$105\overline{)5200}$
$620\overline{)158620}$	$674\overline{)121032}$

P.O. 5.05.04.02

NAME: _____ CLASS: _____ DATE: _____

Solve the problems. Shade the spaces of the numbers that match the quotients to the problems.



255 R 101
256) 65381
512
14181
1280
1381
1280
101

Example

315) 7,730

803) 97,685

663) 26,594

213) 193,682

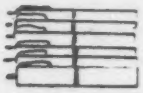
714) 322,507

P.O. 5.05.04.03

NAME: _____ CLASS: _____ DATE: _____

Solve each problem.

1. A factory packages pens by the gross. There are 144 pens in a gross. How many gross can be made from 15,500 pens?



2. During one year, a girl delivers 8,760 newspapers. If she works every day and delivers the same number each day, how many does she deliver each day?

3. A runner is training for a 440 yard race. How many 440 yard runs will he do if he runs 16,280 yards one day?

4. A certain swimming pool is 150 feet long. If a swimmer swims 3,750 feet, how many laps of the pool will he do?

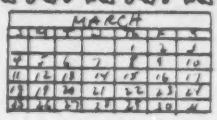
5. The cost of a new town hall for a small town is to be $177,750. If the cost is to be shared equally among the 395 families in the town, how much will each family have to pay?

P.O. 5.12.04.01

NAME:_____CLASS:_____DATE:_____

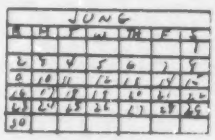
Write the appropriate term - impossible, certain, sometimes - after each sentence.

1) Monday follows Tuesday.



2) 8¢ is less than 4¢.

3) January comes before May.



4) Dogs like to run.

5) 10 is an even number.

6 9
3 1 7 2

6) Boys like baseball.

7) Fire is hot.

8) Circles are round.

9) 47 is more than 74.

P.O. 5.12.04.02

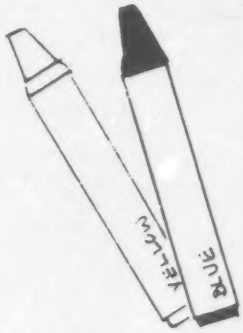
NAME:_____ CLASS:_____ DATE:_____

Express the probability as as a fraction.

1. Thirteen of the 20 children in a class are boys. What is the probability of picking a boy?

2. Three yellow balls and two orange balls in a bag. What is the probability of picking an orange ball?

3. There are 7 red crayons, 6 yellow crayons and 6 blue crayons in a box. What is the probability of picking a red crayon?



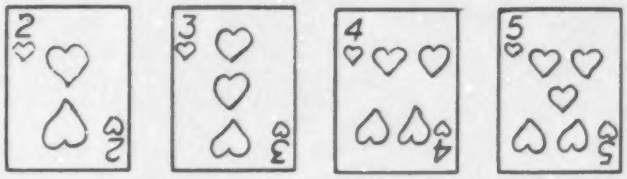
4. You have a nickel. What is the probability of tossing a head?

P.O. 5.12.04.04

NAME: _____ CLASS: _____ DATE: _____

1. If we tossed these coins what are the possible outcomes?

   Record the results in a sample space.



2. What are the possible outcomes if a person selected 1 card?

   Show the results in a sample space.

P.O. 5.12.04.05

NAME: _____ CLASS: _____ DATE: _____

Experiment _____

_____

_____

10 trials	40 trials

P.O. 5.06.05.01

NAME:_____ CLASS:_____ DATE:_____

Rename each pair of fractions using the least or lowest common denominator.

1) $\frac{2}{3} = \frac{\square}{12} = \frac{8}{12}$ $\frac{1}{4} = \frac{\square}{12} = \frac{3}{12}$	6) $\frac{1}{2}$ $\frac{5}{8}$
2) $\frac{1}{3}$ $\frac{5}{6}$	7) $\frac{2}{5}$ $\frac{2}{4}$
3) $\frac{1}{4}$ $\frac{1}{8}$	8) $\frac{1}{3}$ $\frac{3}{5}$
4) $\frac{1}{2}$ $\frac{1}{3}$	9) $\frac{1}{3}$ $\frac{2}{7}$
5) $\frac{3}{4}$ $\frac{2}{5}$	10) $\frac{3}{4}$ $\frac{2}{3}$

P.O. 5.06.05.02

NAME:_____ CLASS:_____ DATE:_____

Add. Express your answer in the simplest terms. If the answer is listed on the bottom color the circle. Connect the colored circles.

$2\frac{1}{2} + 3\frac{1}{3}$ = _____

$\frac{3}{7} + \frac{1}{3}$ = _____

$4\frac{1}{3} + 2\frac{1}{4} + 7\frac{1}{6}$ = _____

$2\frac{1}{2} + 7\frac{7}{10}$ = _____

$8\frac{4}{10} + 2\frac{3}{5} + \frac{1}{4}$ = _____

$7\frac{2}{7} + 8\frac{2}{7}$

$6\frac{3}{5} + 5\frac{2}{5}$ = _____

$\frac{3}{5} + \frac{2}{4} + \frac{1}{2}$

$7 + \frac{3}{6} + 2\frac{1}{2}$

ANSWERS:

12 $10\frac{1}{5}$ $\frac{16}{21}$ $5\frac{5}{6}$ $13\frac{3}{4}$ $11\frac{1}{4}$

P.O. 5.06.05.03

NAME: _____ CLASS: _____ DATE: _____

Add the fractions. Rename when necessary.

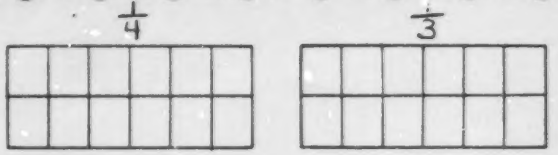
Put Xs in $\frac{1}{2}$ of the squares of the first rectangle.
How many spaces did you fill?

_____

Put Xs in $\frac{1}{3}$ of the parts of the second rectangle.
How many spaces did you fill?

_____

$$\frac{1}{2} = \frac{\square}{12}$$
$$+ \frac{1}{3} = \frac{\square}{12}$$
$$\frac{\square}{12}$$



Put Xs in $\frac{1}{4}$ of the parts of the first rectangle.
How many spaces did you fill?

_____

Put Xs in $\frac{1}{3}$ of the parts of the second rectangle.
How many spaces did you fill?

_____

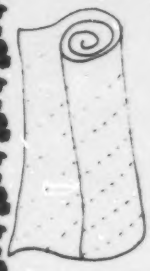
$$\frac{1}{4} = \frac{\square}{12}$$
$$+ \frac{1}{3} = \frac{\square}{12}$$
$$\frac{\square}{12}$$

$\frac{1}{5}$ $\frac{1}{4}$ $+ \frac{1}{2}$	$1\frac{1}{6}$ $\frac{2}{3}$ $+ 3\frac{1}{5}$	$\frac{4}{5}$ $\frac{1}{3}$ $+ \frac{6}{10}$	$\frac{3}{4}$ $\frac{1}{6}$ $\frac{3}{8}$ $+ 8$
$\frac{7}{8}$ $\frac{1}{2}$ $+6\frac{1}{4}$	$\frac{1}{3}$ $\frac{1}{4}$ $+ \frac{1}{6}$	$2\frac{1}{3}$ $1\frac{1}{4}$ $+ 2\frac{1}{2}$	$\frac{1}{5}$ $\frac{1}{6}$ $+ \frac{1}{7}$

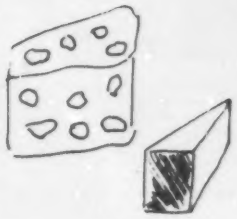
P.O. 5.06.05.04

NAME:_____ CLASS:_____ DATE:_____

Solve the problems.

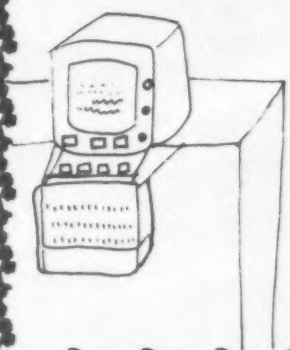


1. Susan bought $2\frac{2}{3}$ yards of red fabric and $\frac{7}{8}$ of a yard of white fabric. How much fabric did she buy?



2. Sara was planning a party. She bought $2\frac{3}{6}$ pounds of Swiss cheese and $3\frac{1}{3}$ pounds of American cheese. How many pounds of cheese did she buy in all?

3. Sean jogs every day. He ran $3\frac{1}{2}$ miles on Monday, $2\frac{2}{3}$ miles on Tuesday and $\frac{7}{8}$ of a mile on Wednesday. How many miles did he jog in three days?



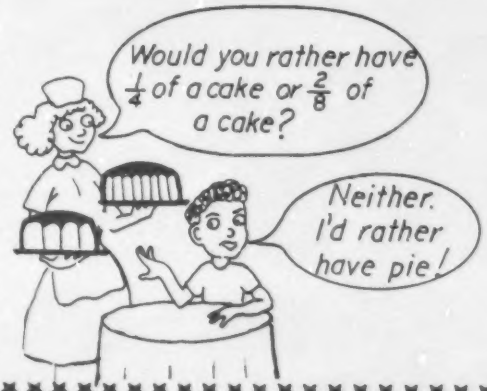
4. Tom loves the computer. He tries to get as much computer time as possible. One week he spent $4\frac{1}{2}$ hours at the computer. He spent $6\frac{1}{2}$ hours using the computer each week for the next two weeks. How much computer time did he get in all?

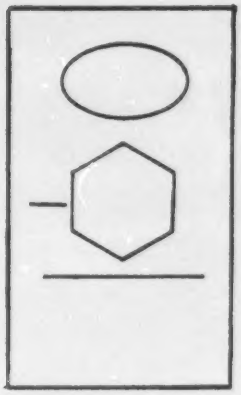
P.O. 5.06.06.01

NAME: _____ CLASS: _____ DATE: _____

Find the least common denominator. Subtract the fractions. Rename in simplest form.

fraction	find LCD and subtract	ANSWER
$\frac{1}{2} - \frac{1}{6}$	$\frac{3}{6} - \frac{1}{6} = \frac{4}{6}$	$\frac{4}{6}$
$\frac{2}{3} - \frac{2}{6}$		
$\frac{4}{6} - \frac{4}{}$		
$\frac{3}{9} - \frac{3}{12}$		
$\frac{3}{10} - \frac{3}{15}$		
$\frac{1}{3} - \frac{1}{9}$		

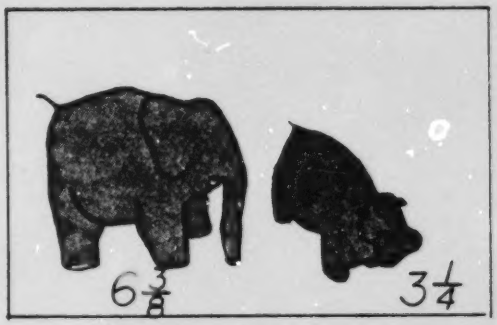


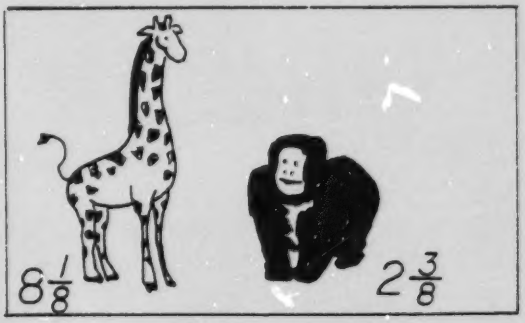


P.O. 5.06.05.02

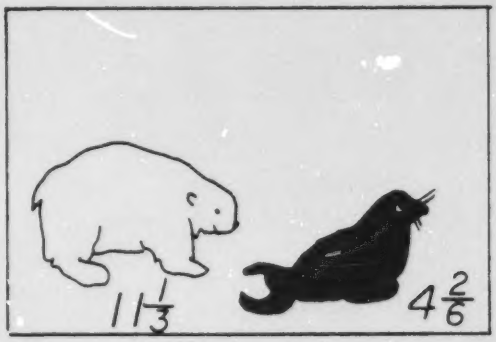
NAME: _____ CLASS: _____ DATE: _____

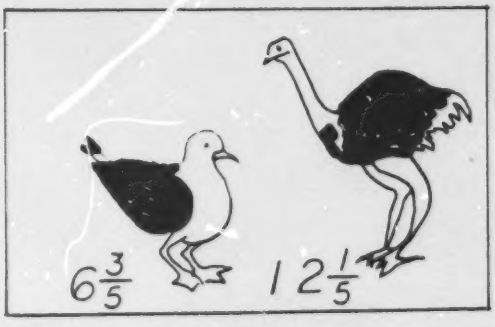
Find the difference.

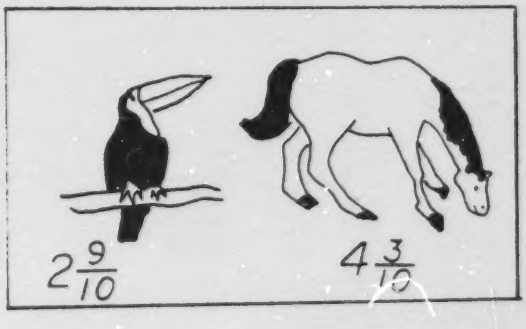




At the Zoo



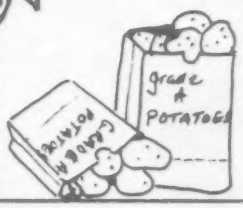
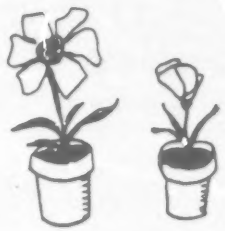
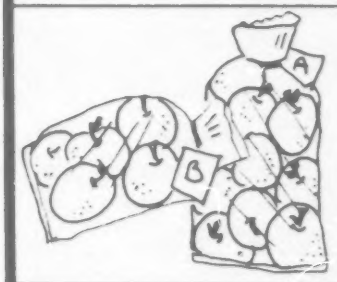
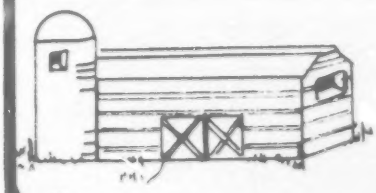




P.O. 5.06.06.03

NAME: _____ CLASS: _____ DATE: _____

Solve and check each problem.

		Solve	Check
	The small bag of potatoes weighs $2\frac{3}{4}$ lbs. The large bag of potatoes weighs $5\frac{2}{3}$ lbs. How much more does the larger bag weigh? _____		
	Plant A is $6\frac{7}{8}$ inches tall. Plant B is $4\frac{3}{5}$ inches tall. How much taller is Plant A than Plant B?		
	Bag A contains $7\frac{1}{4}$ lbs. of apples. Bag B contains $3\frac{6}{7}$ lbs. of apples. How much more does bag A weigh? _____		
	John ran $8\frac{1}{2}$ miles on Monday. He ran $6\frac{2}{5}$ miles on Tuesday. How much farther did John run on Monday? _____		
	Mike's farm lies on $2\frac{5}{6}$ acres of land. Tom's farm lies on $4\frac{1}{3}$ acres of land. How much more land does Tom have? _____		

P.O. 5.10.05.01

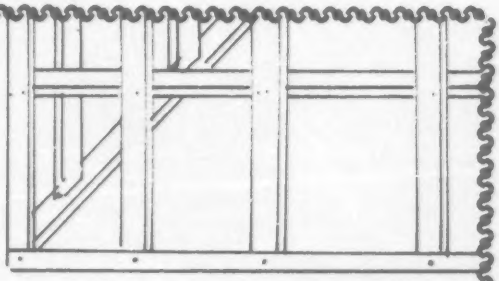
NAME: _____ CLASS: _____ DATE: _____

Look at the picture and decide whether the situations will need a scale drawing. Circle yes or no.

1. The dressmaker who needs a a pattern of a dress.

YES NO

2.



The architect who needs builds a house.

YES NO

3. The painter who paints the fence.

YES NO

4. The man who makes the map of the United States.

YES NO

P.O. 5.10.05.02

NAME: _____ CLASS: _____ DATE: _____

Draw a scale drawing of something at home or at school. Make sure you indicate your scale on your worksheet. Some suggestions are your bedroom, living room or your classroom.

156

P.O. 5.01.05.01

NAME: _____ CLASS: _____ DATE: _____

I. What does the exponent mean in each number?
II. Rewrite each expression using components.

I

10^2 = 10 X 10 = 100

10^4 = _____ =

10^6 = _____ =

10^1 = _____ =

10^3 = _____ =

10^5 _____ =

II

10 X 10 X 10 = 10^3

10 X 10 = _____

10 X 10 X 10 X 10 X 10 X 10 = _____

10 X 10 X 10 10 X 10 = _____

10 X 10 X 10 X 10 _____

P.O. 5.01.05.02

NAME: _____ CLASS: _____ DATE: _____

Use powers of ten to complete each example.

$9 = 9 \times 10^0$ so $7 = 7 \times$ _____ and $3 = 3 \times$ _____

$20 = 2 \times 10^1$ so $60 = 6 \times$ _____ and $80 = 8 \times$ _____

$300 = 3 \times 10^2$ so $500 = 5 \times$ _____ and $700 = 7 \times$ _____

$4{,}000 = 4 \times 10^3$ so $8{,}000 = 8 \times$ _____ and $2{,}000 = 2 \times$ _____

$20{,}000 = 2 \times 10^4$ so $60{,}000 = 6 \times$ _____ and $90{,}000 = 9 \times$ _____

23,458=(2x_____)+(3x_____)+(4x_____)+(5x_____)+(8x_____)

45,397=(4x_____)+(5x_____)+3x_____)+(9x_____)+(7x_____)

73,133=(7x_____)+(3x_____)+(1x_____)+(3x_____)+(3x_____)

26,417= ( )+( )+( )+( )+( )

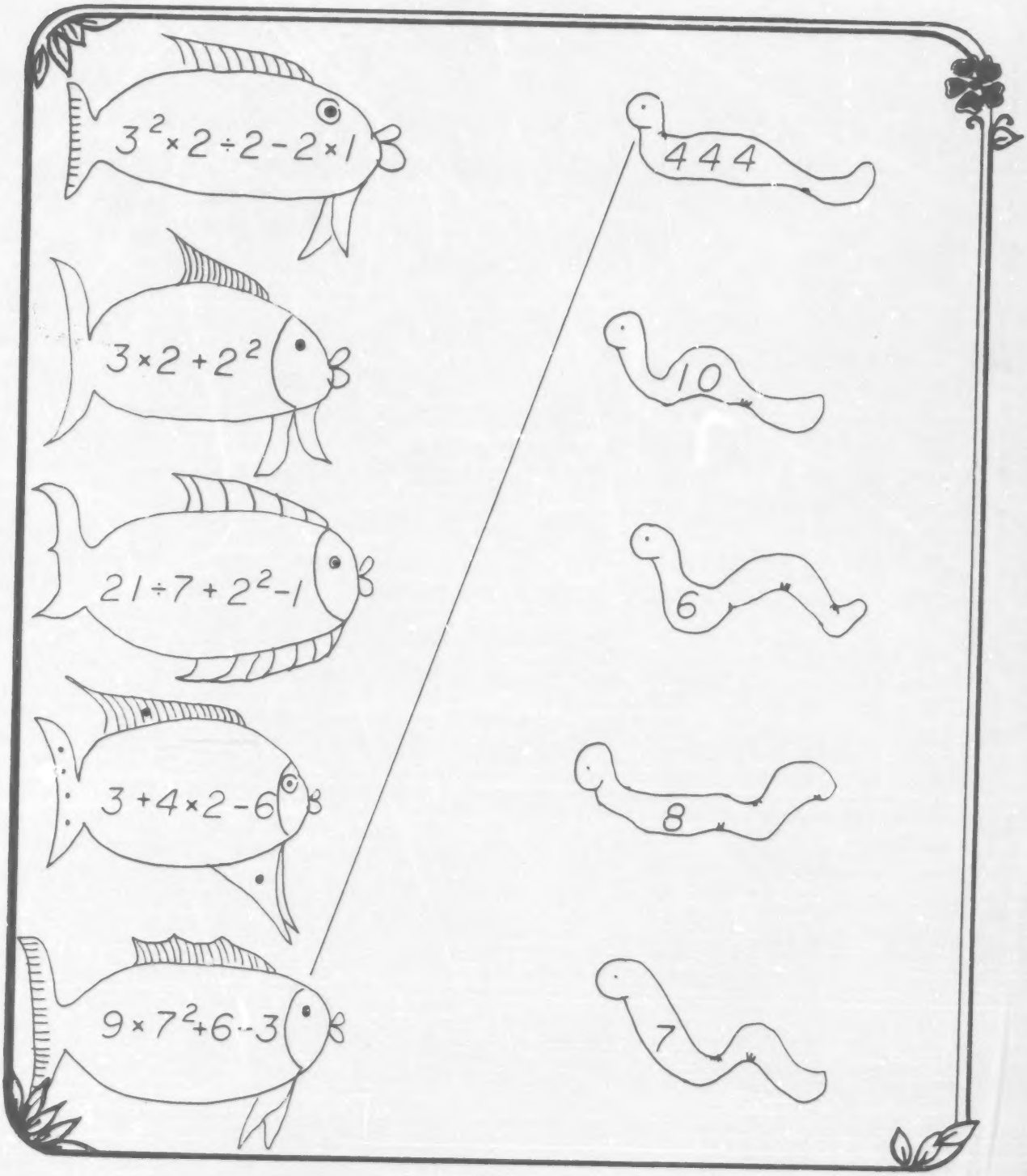
39,846= ( )+( )+( )+( )+( )

27,463= ( )+( )+( )+( )+( )

P.O. 5.11.01.01

NAME: _____ CLASS: _____ DATE: _____

Solve and match.



P.O. 5.11.01.02

NAME: _____ CLASS: _____ DATE: _____

Solve. Use order of operations.

SOLVE these problems.

REMEMBER, the parenthesis is done first.

① $3 \times 2 + (5 - 1) =$

$3 \times 2 + 4 =$

$6 + 4 =$

10

② $3 \times (2 + 5) - 1$

③ $(3 \times 2) + 5 - 1$

④ $100 \div (10 \times 5) \times (5 \times 9) =$

⑤ $(8 + 4) \times (7 - 3) - 4 =$

⑥ $7 - (3 + 1) \times 8 \div 4 =$

⑦ $36 \div 6 \times 2 - (4 + 4) =$

⑧ $45 \div 9 \times 3 - (6 + 3) =$

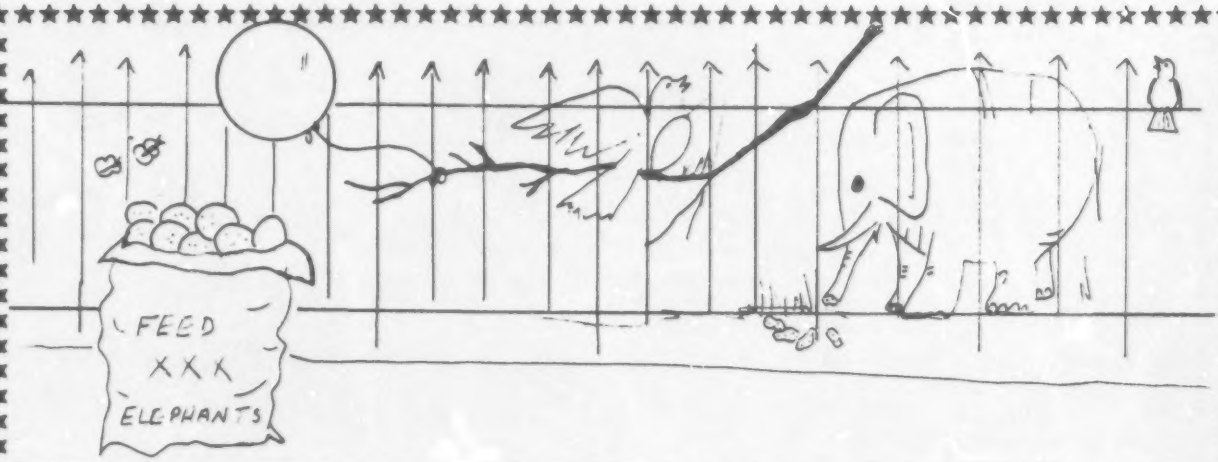
⑨ $(7 \times 7) - 7 \times 7 =$

⑩ $(10 \times 10) + (8 \times 8) \div 4 =$

P.O. 5.10.06.01

NAME: _____ CLASS: _____ DATE: _____

Match the weights given in column A with their equivalent weights in column B.



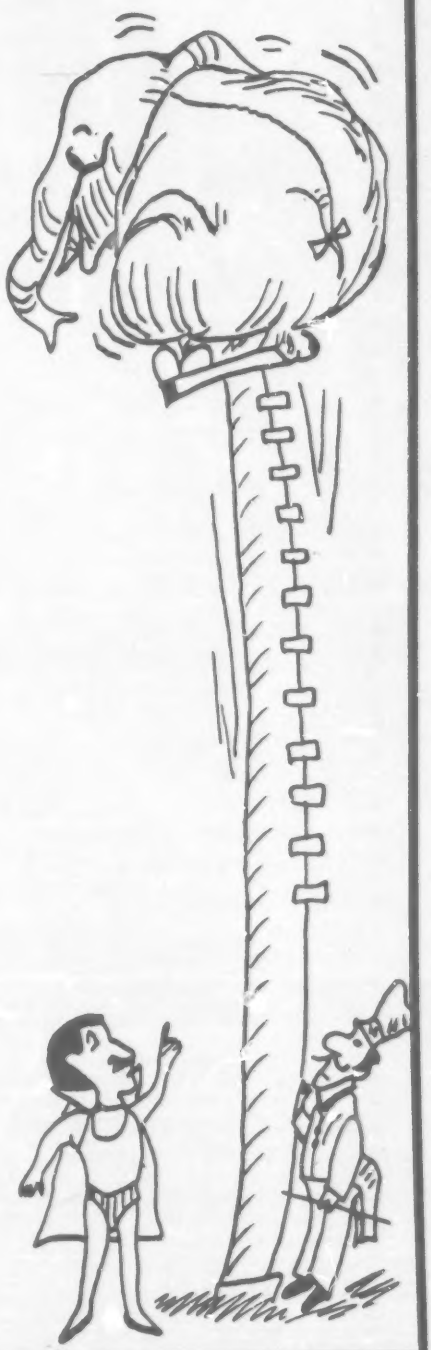
A	B
½ lb.	500 lbs.
½ ton	1000 lbs.
⅓ lb.	300 lbs.
⅓ ton	12 oz.
1⅓ lbs.	1500 lbs.
1½ tons	8 oz.
2½ lbs.	8 oz.
1⅓ tons	402
3/4 lbs.	2500 lbs.
3/4 ton	2002
	4002

P.O. 5.10.06.02

NAME: _____ CLASS: _____ DATE: _____

Fill in the ☐ with $<$, $>$ or $=$.

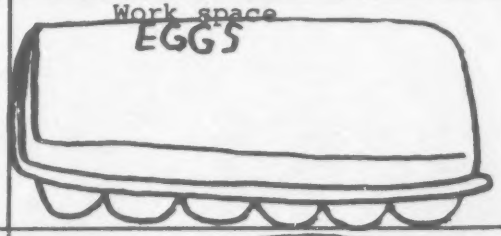
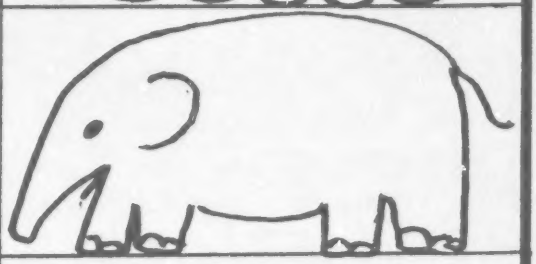
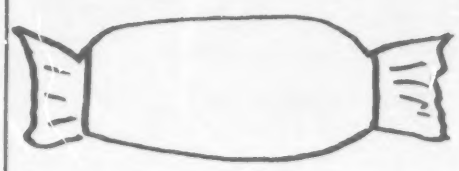
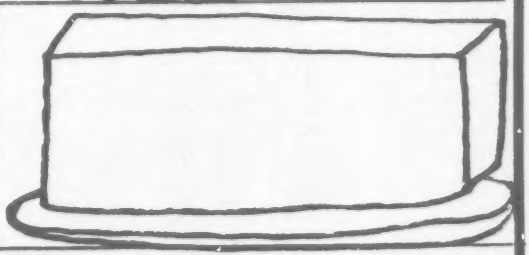
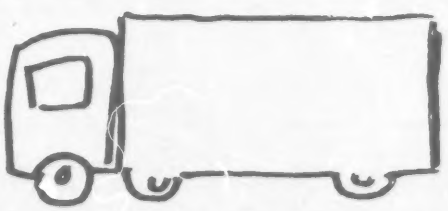
2 kilograms	☐	2000 grams
5000 grams	☐	3 kilograms
1 metric ton	☐	1000 kilograms
1 gram	☐	1000 milligrams
6,000 milligrams	☐	4 grams
5 kilograms	☐	5,000 grams
3 grams	☐	3 kilograms
7 milligrams	☐	7 kilograms
1,000 grams	☐	1 kilograms
2,000 kilograms	☐	1 metric ton
100 milligrams	☐	1 gram



P.O. 5.10.06.03

NAME:_____ CLASS:_____ DATE:_____

Read each word problem and solve.

A box of eggs weighed 1 lb 2 oz. What is its total weight in ounces?	Work space 
At 2 months, a baby elephant weighed ½ ton. What was the baby elephant's weight in pounds?	
John weighed a candy bar on a metric scale. It weighed 7,000 milligrams. How any grams did the candy bar weigh?	
Alice's cat gained 1500 grams. Did Alice's cat gain more or less than a kilogram?	
Chris went to the store to buy ½ lb of butter. He bought a package that was marked 8 oz. Did Chris buy the correct amount of butter.?	
The weight of Jim's father's new truck is 6,000 kilograms. How many metric tons did the truck weigh?	

P.O. 5.10.07.01

NAME: _____ CLASS: _____ DATE: _____

Match the measurements in column A with their equivalent measures in column B.

Column A	Column B
$1\frac{2}{3}$ yds.	60 in.
$6\frac{1}{4}$ ft.	4300 yds.
$1\frac{1}{2}$ mi.	75 in.
$12\frac{2}{3}$ yds.	13 ft.
$2\frac{1}{4}$ ft.	7,920 ft.
$4\frac{1}{3}$ yds.	27 in.
$2\frac{1}{2}$ mi.	38 ft.

P.O. 5.10.07.02

NAME:_____ CLASS:_____ DATE:_____

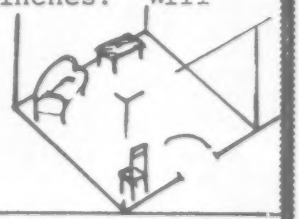
Read each problem and solve.

1. Ellen's baby sister was 18 inches long when she was born. What was her length in feet? What was her length in yards?

2. The distance between Mike's house and his neighbors house is 32 feet. How many yards are between Mike's and his neighbor's house?

3. A bookshelf is 84 inches high. What is its height in feet? What is its height in yards?

4. The width of the den wall in the Smith's home is 8½ feet. The Smith's are buying a wall unit that has a width of 98 inches. Will the wall unit fit?



5. The painter has enough paint to paint a wall that is $3\frac{2}{3}$ ya wide and $2\frac{2}{3}$ yards high. The wall he has to paint is 14 f wide and 8 feet high. Will he have enough paint?

P.O. 5.05.02.03

NAME: _____ CLASS: _____ DATE: _____

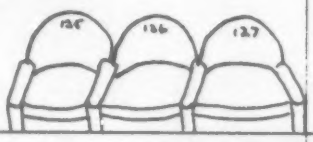
Solve and check each problem.

1) A vegetable farm produced 23,495 kg of potatoes. The potatoes were packed in 62 crates. How many kg of potatoes were in each crate?

WORK SPACE

2) The hardware store has 1785 three inch nails. If the nails were sold in 25 packs with the same number in each pack, how many nails would be in each? How many nails would be left?

3) 2,009 new seats were bought for the auditorium. If there were 42 rows, how many seats were in each row if each row had the same number of seats? How many seats were left over?



4) Mr. Smith uses 12,494 gallons of gasoline for his car each year. How many gallons does he use each week if he uses the same amount each week? How many gallons are left?

5) A candy company made 50,064 lbs. of candy. They want to ship it to the stores in boxes of 25 lb. each. How many lbs. will be in each bag? How many extra lbs. of candy will there be?

P.O. 5.10.08.01

NAME: _____ CLASS: _____ DATE: _____

Put the bird in its bird house by matching the number of months to the correct fraction.